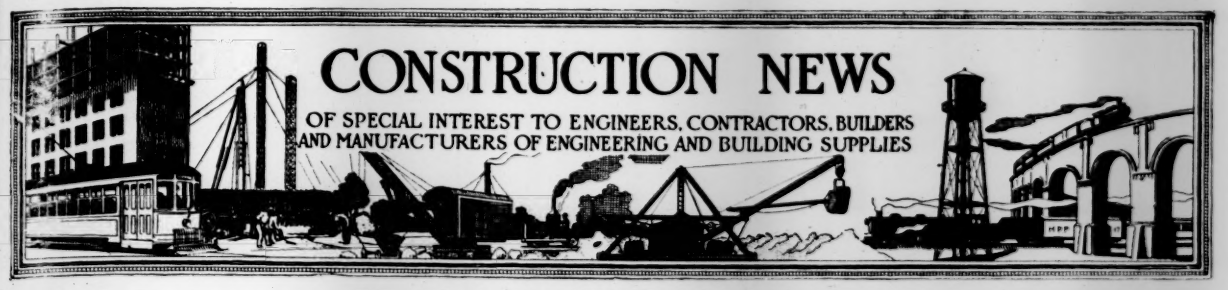
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Price advances are indicated by **heavy type**; declines by *italics*

PIG IRON—

	Current	One Month Ago
CINCINNATI		
No. 2 Southern	$36.60	$32.60
Northern Basic	34.00	31.05
Southern Ohio No. 2	36.55	31.55
NEW YORK, tidewater delivery		
2X Virginia (silicon 2.25 to 2.75)	39.40	35.65
Southern No. 2 (silicon 2.25 to 2.75)	41.40	36.50
BIRMINGHAM		
No. 2 Foundry	33.00	30.00
PHILADELPHIA		
Eastern Pa	38.10*	33.00*
Virginia No. 2	39.10*	34.40*
Basic	34.60*	29.00†
Grey Forge	34.60*	29.40*
CHICAGO		
No. 2 Foundry Local	36.25	31.40
No. 2 Foundry Southern	38.00	34.10
PITTSBURGH, including freight charge from the Valley		
No. 2 Foundry Valley		32.40
Basic	34.40	28.40
Bessemer	35.40	29.35

* F. o. b. furnace. † Delivered

RAILWAY SUPPLIES

STEEL RAILS—The following quotations are per ton f. o. b. Pittsburgh and Chicago for carload or larger lots. For less than carload lots 5c. per 100 lb. is charged extra:

	Pittsburgh		Chicago	
	Current	One Year Ago	Current	One Year Ago
Standard bessemer rails	$45.00	$55.00	$45.00	$65.00
Standard openhearth rails	47.00	57.00	47.00	67.00
Light rails, 8 to 10 lb.	2.58½*	3.13*	2.585*	3.13*
Light rails, 12 to 14 lb.	2.54*	3.09*	2.54*	3.09*
Light rails, 25 to 45 lb.	2.45*	3.00	2.45*	3.00*

* Per 100 lb.

TRACK SUPPLIES—The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots, together with the warehouse prices at the places named:

	Pittsburgh				San
	Current	One Year Ago	Chicago	St. Louis	Francisco
Standard spikes, 9/16-in. and larger	$3.35	$3.90	$4.27	$4.44	$5.65
Track bolts	4.35	4.90	5.17	Premium	6.65
Standard section angle bars	3.00	....	4.22	Premium	4.60

RAILWAY TIES—For fair-sized orders, the following prices per tie hold:

		7 In. x 9 In. by 8 Ft. 6 In.	6 In. x 8 In. by 8 Ft.
Chicago	Plain	$1.48	$1.33
San Francisco	Douglas Fir—Green	1.42	1.00
San Francisco	Douglas Fir—Creosoted	*2.12*	2.00

Prices per tie at Missouri mills; St. Louis prices about 25c. higher:

Untreated A Grade White Oak 6x8x8		Untreated A Grade Red Oak 6x8x8	
No. 1	$0.70	No. 1	$0.55
No. 2	.80	No. 2	.65
No. 3	.90	No. 3	.75
No. 4	.98		
7x9x8 white oak			1.05
7x9x8 red oak (No. 4)	$0.80	No. 5	.87

Note.—Add 36c. each for treatment.

PIPE

STEEL—From warehouses at the places named the following discounts hold for steel pipe:

	Black		
	New York	Chicago	St. Louis
⅜ to 3 in. butt welded	47%	57.5%	45%
2½ to 6 in. lap welded	42%	53.5%	41½%

	Galvanized		
	New York	Chicago	St. Louis
⅜ to 3 in. butt welded	31%	44%	30½%
2½ to 6 in. lap welded	27%	41%	27½%

Malleable fittings, Class B and C, from New York stock sell at +12½% list prices. Cast iron, standard sizes, 10% off.

CAST-IRON PIPE—The following are prices per net ton for carload lots:

	New York						
	Current	One Month Ago	One Year Ago	Chicago	St. Louis	San Francisco	Dallas
4 in.	$61.30	$57.30	$70.70	$62.80	$61.00	$82.55	$70.30
6 in. and over	58.30	54.30	67.70	59.80	58.00	79.55	67.30

Gas pipe and 16-ft. lengths are $2 per ton extra.

PIPE—The following discounts are for carload lots f.o.b. Pittsburgh: basing card of National Tube Co. for steel pipe, Cardry A. M. Byer's Co. for iron, both dated Mar. 21, 1919.

BUTT WELD

Steel			Iron	
Inches	Black	Galvanized	Inches	Black	Galvanized
⅛, ¼ and ⅜	50½%	24%	⅜ to 1¼	30%	23½%
½	54½%	40%			
¾ to 3	57½%	44%			

LAP WELD

2	50½%	35%	2	32½%	18½%
2½ to 6	53½%	41%	2½ to 6	34½%	21½%

BUTT WELD, EXTRA STRONG PLAIN ENDS

⅛, ¼ and ⅜	46½%	29%	⅜ to 1¼	39½%	24½%
½	51½%	39%			
¾ to 1¼	55½%	43%			

LAP WELD, EXTRA STRONG PLAIN ENDS

2	48½%	37%	2	33½%	20½%
2½ to 4	51½%	40%	2½ to 4	35 %	23½%
4½ to 6	50½%	39%	4½ to 6	34½%	22½%

Malleable fittings. Class B and C, banded from New York stock sell at list 2% off. Cast iron, standard sizes, 20% off.

CLAY DRAIN TILE—The following prices are per 1000 lin.ft.:

	New York					
Size, In.	Current	One Year Ago	St. Louis	Chicago	San Francisco	Dallas
3	$35.00	$35.00	$22.50	$50.00	....	$33.44
4	51.00	51.00	27.00	60.00	$45.00	50.16
5	65.00	65.00	45.00	70.00	65.00	62.70
6	90.00	90.00	55.00	80.00	90.00	83.60
8	130.00	130.00	100.00	120.00	150.00	133.76

SEWER PIPE—The following prices are in cents per foot for carload lots:

	New York					
Size, In.	Current	One Year Ago	St. Louis	Chicago	San Francisco	Dallas
3	$0.09	$0.117	....	$0.12	....	$0.15
4	.09	.117	....	.12	$0.16	.15
5	.135	.1755	....	.18	.20	.21
6	.135	.1755	$0.16	.18	.24	.21
8	.21	.273	.21	.28	.34	.30
10	.315	.4095	.29	.42	.47	.42
12	.405	.5265	.37	.54	.64	.54
15	.54	.702	.56	.72	1.00	.78
18	.75	.975	.91	.875	1.35	1.02
20	.90	1.17	1.14	1.05	1.80	1.38
22	1.20	1.56	1.46	1.40	....	1.80
24	1.35	1.755	1.56	1.80	2.24	2.70
27	2.145	.260	1.90	2.75	....	3.30
30	2.376	.288	2.57	3.45	....	4.20
33	3.15	.378	3.09	4.00	....	4.025
36	3.5875	4.305	3.37	4.35	....	4.80
	3	5	8	12	24	36
Boston	$0.105	$0.1575	$0.245	$0.4725	$1.575	$5.0225
St. Paul	.125	.185	....	....	....	....
Denver	.12	.18	.27	.45	1.65	....
Seattle	....	....	.36	....	....	....
Kansas City	.12	.18	.25	.50	1.80	4.60
Los Angeles	*.0825*†	*.1375*†	.2475	.44	1.50	....
New Orleans	....	....	40 per Cent. off			
Cincinnati	.105	.1575	.245	.4725	1.575	3.5875
Atlanta	....	....	.34	.55	2.00	....
Montreal	....	....	45 per cent. off			
Detroit	.111	.1665	.259	.4995	1.935	14.8175
Baltimore	*.105*	*.1575*	*.245*	*.4725*	*1.575*	....

/ 4-in., 6-in., 30-in. respectively.

ROAD AND PAVING MATERIALS

ROAD OILS—Following are prices per gallon in tank cars 8000 gal. minimum f.o.b. place named:

	Current	One Month Ago
New York, 45-65% asphalt	$0.04½	$0.04½
New York, liquid asphalt	.06	.06
New York, binder	.06½	.06½
New York, flux	.04½	.04½
St. Louis, 40% asphalt	.0424	.0412
Chicago, 40-50% asphalt	.055	.10
Chicago, 60-70% asphalt	.0575	.11
Dallas, 40-50% asphalt	.07	.07
Dallas, 60-70% asphalt	.08	.08
Dallas, 75-90% asphalt	.10	.10
San Francisco, asphalt base, per bbl.	2.25	2.10

ASPHALTUM—Price per ton in packages and bulk in carload lots:

	Brand	Package	Bulk
New York	Texaco	$22.00	$14.00
Chicago	Mexican	*22.00*	*16.50**
San Francisco	California	17.00	13.75
Dallas	Texaco and Mexican	32.00	30.00
Seattle	D grade	**25.00**	.....
Denver	Trinidad	45.00	.....
Denver	California	38.00	.....
St. Paul	Mexican	21.00	.....
Kansas City	Mexican	*25.00*	*23.00*
Atlanta	Standard	**25.00**	**20.80**
New Orleans	.....	16.50	.....
St. Louis	Stanolind	24.90	18.40
Detroit	Bermudez	**50.00**	.....
Baltimore	Manco	43.00	.....
Los Angeles	D grade	.....	**15.00**
Montreal	.....	.....	**19.00**

*f.o.b. Whiting, Ind.

PAVING STONE—

Chicago	About 4x8x4 dressed	$2.45	sq.yd.
	About 4x8x4 common	2.20	sq.yd.
San Francisco	Basalt block 4x7x8	**65.00**	per M
Kansas City	Granite	3.00	sq.yd.
Boston	5-in. granite	110.00	per M
St. Paul	Sandstone	**2.45**	sq.yd.
Atlanta	Granite	**2.00**	sq.yd.
Detroit	Granite, small	**4.10**	sq.yd.
Baltimore	Common	2.30	sq.yd.
Montreal	Granite	5.90	sq.yd.
New York	Bronx	$0.21	sq.ft.
	Manhattan	.22	sq.ft.
	Queens, 5 ft. square	.23	sq.ft.
	5x20-in. cross-walk	.75	lin.ft.
Chicago	18 in. wide	.70	lin.ft.

WOOD BLOCK PAVING—

	Size of Block	Treatment	Per Sq.Yd.
New York	3½	16	**$3.35**
New York	4	16	**3.65**
Chicago	4	16	4.50
Chicago	3½	16	3.50
Chicago	City specifications		5.00
St. Louis	3½	16	**2.90**
St. Louis	4	16	**3.32**
Seattle	4	16	2.55
Kansas City	4	16	3.00
St. Paul	3½	..	**2.45**
Atlanta	3½	16	**2.30**
New Orleans	3½	16	2.63
New Orleans	4	16	3.00
Dallas	3½	18	*2.92*
Dallas	4	18	*2.98*
Baltimore	3½	16	3.60
Montreal	4	16	*4.60*

CONSTRUCTION MATERIALS

SAND AND GRAVEL—Price for cargo or carload lots is as follows, per cu.yd.:

	Gravel 1½ In. Current	Gravel 1½ In. One Yr. Ago	Gravel ¾ In. Current	Gravel ¾ In. One Yr. Ago	Sand Current	Sand One Yr. Ago
New York	$2.00	$2.00	$2.00	$2.00	$1.25	$1.25
Denver	1.60	1.60	1.60	1.40	1.25	1.10
Chicago	**2.00**	2.00	**2.00**	1.40	**2.00**	1.95
Kansas City	2.50	2.15	3.00	2.60	1.00	1.00
St. Louis	1.78	1.87	1.82	1.35	1.68	1.45
Seattle, per ton	1.25	1.25	1.25	1.25	1.25	1.25
Dallas	**3.50**	2.00	**3.50**	2.00	*2.25*	1.40
St. Paul	1.25	1.25	1.35	1.50	.60	.60
Cincinnati	....	....	....	....	1.30	....
San Francisco	1.15	1.20	1.15	1.20	1.15	1.20
Boston	1.60	2.00	1.60	1.75–2	1.00	1.00
New Orleans	2.40	4.00	2.40	1.80	1.20	2.25
Los Angeles	....	....	....	....	.85	....
Atlanta, per ton	**2.25**	....	2.25	....	**1.15**	....
Detroit	**2.50**	....	2.00	....	**2.50**	....
Baltimore	1.54	....	1.75	....	.65	....
Montreal, per ton	1.20	....	....	....	1.10	....

CRUSHED STONE—Price for cargo or carload lots is as follows, per cu.yd.:

	1½ In. Current	1½ In. One Year Ago	¾ In. Current	¾ In. One Year Ago
New York	**$1.75**	$1.70	**$1.85**	**$1.85**
Chicago	**2.00**	1.60	**2.00**	1.70
St. Louis	1.65	1.08	1.65	1.08
Dallas	2.90	2.05	**2.90**	1.55
San Francisco	1.15	1.20	1.15	1.20
Boston	2.75*(del)	1.75	2.75*(del)	1.75
St. Paul (lime)	1.15†	1.15	1.25	1.45
Denver	....	1.60	1.60	1.40
Kansas City	**2.25**	1.70	**2.35**	1.70
Seattle	**2.00**	1.20	**2.00**	1.20
Atlanta	**2.55***	3.36	**2.65***	....
New Orleans	**4.00**	....	4.35	1.28
Los Angeles	1.20	1.50	1.20	1.60
Detroit	*1.75*	....	*1.75*	....
Baltimore	1.25	....	1.50	....
Montreal	*1.90**	....	2.15*	....

* Per ton. † Limestone: traprock, $1.60 and $1.80 per ton for 1½ and ¾-in.

LIME—Warehouse prices:

	Hydrated per Ton Finished	Hydrated per Ton Common	Lump per 200-Lb. Barrel Finished	Lump per 200-Lb. Barrel Common
New York	$17.50	$14.50	$2.90*	$2.65*
Kansas City	21.00	21.00	2.30	2.20
Chicago	18.00	17.50	1.80	1.10
St. Louis	22.00	18.00	....	2.00
Boston	22.00	**18.50**	3.70*	3.40*
Dallas	30.00	....	2.75	....
Cincinnati	14.70	*11.70*	12.95‡	10.70‡
San Francisco	30.00	19.00	....	**2.30**
St. Paul	23.00	20.00	1.60	1.50
Detroit	**20.00**	**18.00**	**2.00***	1.80*
Seattle	*27.00*	....	*2.85*†	2.80†
Los Angeles	2.75†	2.20	*2.75*†	*2.00*†
Baltimore	19.25	16.75	....	11.37‡
Montreal	20.00	20.00	15.00‡	15.00‡

* 300-lb. barrels. †Per 180-lb. barrel. ‡ Per ton.
NOTE—Refund of 10c. per barrel.

NATURAL CEMENT—Price to dealers for 500 bbl. or over, f. o. b. cars, exclusive of bags:

	Current	One Year Ago
St. Paul (Austin)	$1.50	$1.43
Kansas City (Ft. Scott)	**1.50**	1.70
New Orleans	2.52	....
Atlanta (Magnolia)	**1.90**	....
Cincinnati (Louisville)	1.35	1.80

PORTLAND CEMENT—Current prices are for barrels in carload lots, without bags, to contractors:

	Current	One Month Ago Without Bags	One Year Ago With Bags
New York (del.)	**$2.80***	**$2.80**	$4.00
Jersey City (del.)	**2.47**	**2.47**	3.64
Boston	2.42	2.42	3.67
Chicago	2.00	2.00	2.45
Pittsburgh	2.05	2.05	2.55
Cleveland	2.32	2.32	2.72
Detroit	2.08	2.08	2.58
Indianapolis	2.27	2.27	2.62
Toledo	2.12	2.12	2.62
Milwaukee	2.11	2.11	2.36
Duluth	2.10	2.10	2.60
Peoria	2.12	2.12	2.56
Cedar Rapids	2.18	2.18	2.68
Davenport	2.14	2.14	2.64
St. Louis	2.20	2.20	3.30
San Francisco	2.43	2.43	3.48
New Orleans	2.36	2.36	3.77
St. Paul	2.22	2.20	3.40
Denver	3.12	3.12	3.67
Kansas City	2.26	2.26	3.30
Seattle	**2.68**	2.53	3.33
Dallas	2.03	2.03	2.90
Atlanta	2.50	2.50	....
Cincinnati	**2.35**	2.30	2.80
Los Angeles	2.78	2.78	2.38
Baltimore	**2.90**	2.30	....
Detroit	**2.23**	2.00	....
Montreal	*2.50*	....	....

NOTE—Bag charge is generally 15c. each. *Delivered Manhattan, The Bronx or Brooklyn.

TRIANGLE MESH—Price per 100 sq.ft. in carload lots:

PLAIN 4-INCH by 4-INCH MESH

Style Number	Sectional Area Square Inches per Ft.	Width	Pittsburgh	New York	Chicago	St. Louis	Dallas	San Francisco
032	0.032		$0.92	$1.16	$0.98	$0.99	$1.13	$1.32
049	0.049		1.18	1.48	1.26	1.26	1.43	1.67
068	0.068		1.44	1.86	1.53	1.56	1.79	2.06
093	0.093		1.85	2.39	1.97	2.00	2.41	2.65
126	0.126		2.28	3.02	2.43	2.47	2.92	3.28
153	0.153		2.72	3.59	2.90	2.95	3.48	3.93
180	0.180		3.12	4.13	3.33	3.39	3.99	....
245	0.245		4.12	5.44	4.40	4.47	5.27	....
287	0.287		4.76	6.29	5.08	5.16	6.10	6.86
336	0.336		5.52	7.30	5.89	5.99	7.06	....
395	0.395		6.40	8.45	6.83	6.94	8.19	....

PAVING

036P	0.036		$0.71	$0.92	$0.76	$1.77	$0.80	....
053P	0.053		1.00	1.28	1.06	1.08	1.12	....
072P	0.072		1.26	1.66	1.34	1.37	1.46	....
097P	0.097		1.62	2.12	1.73	1.76	1.88	....
049R	0.049		1.00	1.28	1.06	1.08	1.12	....
067R	0.067		1.26	1.65	1.34	1.37	1.46	....
089R	0.089		1.62	3.11	1.73	1.76	1.88	....

Made in 16-, 20-, 24-, 28-, 32-, 36-, 40-, 44-, 48-, 52- and 56-in. width in rolls 150-, 200- and 300-ft. lengths. Galvanized is about 10% higher.

EXPANDED METAL LATH—Prices in carload lots per 100 yd. for painted are as follows:

Gage	Weight	New York Current	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas
27	233	$29.10	$34.07	**$29.10**	$29.00	**$32.75**	*32.75*
26	250	30.45	35.23	*30.45*	30.00	**34.50**	34.50
25	300	31.90	36.51	*31.90*	....	**36.75**	36.75
24	340	33.50	37.73	**33.50**	33.00	**39.25**	39.25
22	450	36.60	40.48	....	....	**43.30**	43.30

About 10% additional for smaller quantities.

BARS, CONCRETE REINFORCING—Following quotations are per 100 lb.

ROLLED FROM BILLETS

In.	Mill Pittsburgh	New York Current	New York One Year Ago	Chicago	St. Louis	Dallas	San Francisco
½ and larger	$2.35	**$3.52**	**$4.17**	**$3.37**	**$3.84**	**$4.75**	$4.60
⅝	2.40	**3.57**	4.23	3.42	3.90	4.80	4.65
¾	2.45	**3.62**	4.27	3.47	3.95	4.95	4.70
⅞	2.60	**3.77**	4.42	3.62	4.20	5.00	4.85
1	2.85	**4.02**	4.67	4.87	....	5.05	5.10

Twisted bars cut to length take extra of 29½c. per 100 lb.

ROLLED FROM RAILS

	Chicago	St. Louis	Dallas		Chicago	St. Louis	Dallas
½ in. and larger	*$3.00*	**$3.65**	**$4.25**	⅞	*$3.25*	**$3.90**	
⅝	*3.05*	**3.70**	4.30	1	*3.50*		
¾	*3.10*	**3.75**	....				

BRICK—To contractors price per 1000 in cargo or carload lots is as follows:

	Common Current	Common One Month Ago	Common One Year Ago	Paving Brick	Paving Block
New York	**$24.70**	**$15.00**	**$14.00**	No Quotations	
Chicago	12.00	12.00	11.00	.....	.....
St. Louis, salmon	12.00	10.00	12.00	.....	.....
Denver, salmon	14.00†	13.00	9.50	.....	38.00
Dallas	18.57	18.00	16.03	27.30	.....
San Francisco	12.50	12.50	12.00	.....	.....
Boston	**27.00**	18.00	16.25	**35.00**	.....
St. Paul	14.50	13.00	10.25	.....	40.00
Kansas City	**18.00**	15.00	13.00	**44.50**	.....
Seattle	15.00	15.00	15.00	.....	42.00
Cincinnati	17.00	16.00	16.50	**36.00**	.....
Montreal	**21.00**(del.)	15.00	.....	**75.00**‡	.....
Detroit	**20.00**	19.00	.....	**38.00**	.....
Baltimore (del.)	18.00-20.00	18.00	.....	**25.00**	45.00

†Hard red is $16 in Denver. ‡Not delivered.

HOLLOW TILE—Price per block in carload lots for hollow building tile:

	New York Current	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas	Factory Perth Amboy, N. J.
4x12x12	$0.11475*	$0.11925	$0.09	$0.08	$0.1125	$0.1088	.....
6x12x12	.153*	.159	.1268	.105	.15	.09	$0.1512
8x12x12	.204*	.....	.183	.15	.....	.1152	.1944
10x12x12	.....	.....	.19	.173	.....	.2546	.2268
12x12x12	.....	.....	.208	.208	.....	.3082	.2916

*Delivered below 72nd St.

	4x12x12	8x12x12	12x12x12
Boston	$0.15	$0.25	$0.44
St. Paul	.087	.158	.248
Cincinnati	.08705	.1623	.2416
Kansas City	.0786	.15	.205
Denver	.12	.18	.25
Seattle	.09	.175	.30
Atlanta	.115	.19	.28
Los Angeles	.082	.154	.....
New Orleans	.165	.22	.325
Detroit	.088	.1674	.2399
Baltimore	.115	.21	.2875
Montreal	.19	.28	.35

STRUCTURAL MATERIAL—Following are base prices f.o.b. mill, Pittsburgh, together with quotations per 100 lb. from warehouses at places named:

	Mill Pittsburgh	New York Current	New York 1 Yr. Ago	St. Louis	Chicago	San Francisco	Dallas
Beams, 3 to 15 in.	$2.45	$3.47	$4.27	$3.54	$3.47	$4.45	$5.50
Channels, 3 to 15 in.	2.45	3.47	4.27	3.54	3.47	4.45	5.50
Angles, 3 to 6 in., ¼ in. thick	2.45	3.47	4.27	3.54	3.47	4.45	5.50
Tees, 3 in. and larger	2.45	3.52	4.27	3.54	3.47	4.45	5.50
Plates	2.66	3.67	4.52	3.54	3.67	4.90	5.75

RIVETS—The following quotations are per 100 lb.:

STRUCTURAL

	Mill Pittsburgh	New York Current	New York One Yr. Ago	Warehouse Chicago	Warehouse St. Louis	Warehouse San Francisco	Warehouse Dallas
½ in. and larger	$4.20	$5.00	$5.65	$4.72	$4.99	$6.15	$7.50

CONE HEAD BOILER

½ in. and larger	4.30	5.10	5.75	4.82	5.09	6.25	7.50
⅜ and 11/16	4.45	5.25	5.90	4.97	5.24	6.40	7.50
⅜ and 9/16	4.70	5.60	6.25	5.32	5.49	6.75	7.75

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take an extra of 25c.

NAILS—The following quotations are per keg from warehouse:

	Mill Pittsburgh	St. Louis	Chicago	San Francisco	Dallas
Wire	$3.50	$3.90	no stocks	$5.25	$6.90
Cut	4.25	5.85	no stocks	6.65	6.40

PREPARED ROOFINGS—Standard grade rubbered surface, complete with nails and cement, costs per square as follows in New York, St. Louis, Chicago and San Francisco:

	1-Ply c.l.	1-Ply l.c.l.	2-Ply c.l.	2-Ply l.c.l.	3-Ply c.l.	3-Ply l.c.
No. 1 grade	$1.50	$1.75	$1.90	$2.15	$2.30	$2.55
No. 2 grade	1.35	1.60	1.70	1.95	2.05	2.30

Asbestos asphalt-saturated Felt (14 lb. per square) costs $156 per ton.

Slate-surfaced roofing (red and green) in rolls of 108 sq.ft. costs $2.25 per roll carload lots and $2.50 for smaller quantities.

Shingles, red and green slate finish, cost $6.00 per square in carloads; $6.25 in smaller quantities, in Philadelphia.

ROOFING MATERIALS—Prices per ton f.o.b. New York and Chicago:

	Carload Lots N. Y.	Carload Lots Chicago	Less Than Carload Lots N. Y.	Less Than Carload Lots Chicago
Tar felt (14 lb. per square of 100 sq.ft.)	$70.00	$70.00	$71.00	$71.00
Tar pitch (in 400-lb. bbl.)	21.00	18.00	22.00	19.00
Asphalt pitch (in barrels)	34.00	34.00	37.50	37.50
Asphalt felt	68.00	48.00	72.50	72.50

SHEETS—Quotations are in cents per pound in various cities from warehouse also the base quotations from mill:

Blue Annealed	Large Mill Lots Pittsburgh	St. Louis	Chicago	San Francisco	New York Current	New York One Yr. Ago
No. 10	3.55	4.64	4.57	5.70	4.82	5.52
No. 12	3.60	4.69	4.62	5.75	4.87	5.57
No. 14	3.65	4.74	4.67	5.90	4.92	5.62
No. 16	3.75	4.84	4.77	6.00	5.02	5.72
Black						
*Nos. 18 and 20	4.15	5.24	5.42	6.75	5.80	6.32
*Nos. 22 and 24	4.20	5.29	5.47	6.80	5.85	6.37
*No. 26	4.25	5.34	5.52	6.95	5.90	6.42
*No. 28	4.35	5.69	5.62	7.05	6.00	6.52
Galvanized						
No. 10	4.70	5.79	5.97	....	6.25	6.87
No. 12	4.80	5.89	6.07	7.30	6.30	6.92
No. 14	4.80	5.89	6.07	7.30	6.35	6.97
Nos. 18 and 20	5.20	6.19	6.37	7.60	6.65	7.27
Nos. 22 and 24	5.25	6.34	6.52	7.75	6.80	7.32
*No. 26	5.40	6.04	6.67	7.90	6.95	7.47
*No. 28	5.70	7.04	6.97	8.20	7.25	7.77

*For painted corrugated sheets add 30c. per 1000 lb. for 5 to 28 gage; 25c. for 10 to 24 gages; for galvanized corrugated sheets add 15c., all gages.

LINSEED OIL—These prices are per gallon:

	New York Current	New York One Year Ago	Chicago Current	Chicago One Year Ago
Raw in barrel (5 bbl.)	$1.75	$1.67	$1.92	$1.65
5-gal. cans	1.90	1.76	2.07	1.05

WHITE AND RED LEAD—Base price per pound:

	Red Current Dry	Red Current In Oil	Red 1 Year Ago Dry	Red 1 Year Ago In Oil	White Current Dry and In Oil	White 1 Yr. Ago Dry and In Oil
100-lb. keg	13.00	14.50	14.00	14.50	13.00	14.00
25 and 50-lb. kegs	13.25	14.75	14.25	14.75	13.25	14.25
12½-lb. keg	13.50	15.00	14.50	15.00	13.50	14.50
5-lb. cans	15.00	16.50	16.00	16.50	15.00	16.00
1-lb. cans	16.00	17.50	17.00	17.50	16.00	17.00

500 lb. lots less 10% discount; 2000 lb. lots less 10-2½% discount.

LUMBER

San Francisco—Prices of rough Douglas fir No. 1 common, in more than carload lots:

Lumber Prices in Yards at San Francisco

	6-8-12 and 14 Ft.	10-16-18 and 20 Ft.	22 and 24	25 to 32 Ft
3x3 and 4	$35 00	$35 50	$36 50	$38 50
3x6 and 8	36 00	36 50	37 50	39 50
4x4-6 and 8	36 50	37 50	38 50	40 50
3x10 and 12	36 50	37 50	38 50	40 50
3x14	37 00	38 00	39 00	41 00
4x10 and 12	36 50	37 50	38 50	40 50
4x14	37 50	38 50	39 50	41 50

	24 Ft. and Under	25 to 32 Ft.	33 to 40 Ft
6x10	$36 00	$38 00	$39 00
6x14	37 50	39 50	40 50
8x10	36 00	38 00	39 00
8x14	37 50	39 50	

New York, Chicago and St. Louis

	Southern Pine New York* 20 Ft. and Under	Southern Pine New York* 22-24 Ft.	Southern Pine Chicago 20 Ft. and Under	Southern Pine Chicago 22-24 Ft.	Yellow Pine St. Louis 20 Ft. and Under	Yellow Pine St. Louis 22-24 Ft
3x 4 to 8x 8	$48.00	$49.00	$55.00	$57.00	$44.00	$45.00
3x10 to 10x10	52.00	52.00	60.00	62.00	48.00	49.00
3x12 to 12x12	56.00	57.00	63.00	65.00	52.00	53.00
3x14 to 14x14	*60.00*	61.00	68.00	70.00	57.00	58.00
3x16 to 16x16	*68.00*	*68.00*	70.00	72.00	63.50	64.50
3x18 to 18x18	*74.00*	*74.00*	75.00	77.00	68.00	69.00
4x20 to 20x20	*79.00*	*80.00*	.....	.....	.....	.....

* Prices from Lumbermen's Bureau.

Over 24 ft.—Add $1 for each additional 2 ft. in length up to 40 ft. for sizes 12 x 12 and under; for sizes over 12 x 12 add $2. For merchantable add $2 to sizes 10 x 10 and under. For prime add $2 to the price of merchantable for all sizes.

Other Cities

	8 x 8-In. x 20-Ft. and Under P.	Fir	Hemlock	Spruce	12 x 12-In. 20 Ft. and Under P.	Fir
Boston	$60.00	$55.00	$52.00	$55.00	$65.00	.....
Kansas City	*49.00*	*49.50*	*49.50*	*$49.50*	*55.00*	*49.50*
Seattle	.....	30.00	.....	.....	.....	31.00
New Orleans	45.00	.....	.....	.....	48.00	.....
St. Paul	60.00	59.00	59.00	46.00	42.00	56.00
Atlanta	62.50	64.50	66.00	76.00	79.50	82.00
Baltimore	48.00	.....	.....	.....	60.00	.....
Cincinnati	50.00	50.00	47.00	.....	53.00	53.00
Montreal	60.00	*65.00*	65.00	60.00	73.00†	73.00
Los Angeles*	.....	50.00	.....	.....	.....	*51.00*
Denver	.....	40.00	.....	.....	.....	40.00

	1-In. Rough, 10 In. x 16 Ft. and Under P.	Fir	Hemlock	2-In. T. and Gr. 10 In. x 16 Ft. P.	Fir
Boston	$50.00	$52.00	$52.00	$55.00	$55.00
Kansas City	89.50	81.75	81.75	97.25	84.25
Seattle	.....	33.50	.....	.....	33.50
New Orleans	54.00	.....	.....	55.25	.....
St. Paul	53.00	53.00	53.00	63.00	57.50
Atlanta	85.00	90.00	.....	77.50	87.50
Baltimore (box)	40–42.00	.....	.....	38–42.00	.....
Cincinnati	50.00	48.00	47.00	50.00	50.00
Montreal	65.00	65.00	65.00	66.00	66.00
Los Angeles*	.....	49.00	.....	.....	.....
Denver	.....	43.00	43.00	.....	42.00

* Base price, 2x45, is $45, Los Angeles.

Detroit—2x4x16 Y.P. is $48.00. For other sizes add freight to Chicago quotations.

† Montreal—Up to 32 ft.; over which, $3.00 per M. increase up to 30 ft.

Dallas—Yellow pine. Price per M:

2x4 to 2x12—12, 14 and 16	$57.00
2x4 to 2x12—10, 18 and 20	59.00
2x4 to 2x12—22 and 24	64.00
4x4, 4x6, 6x6, 8x8 and 3x8	57.50
8x00, 10x00 and 3x10	60.00
12x12 and 3x12	65.00

FREIGHT RATES

On finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, flat sheets (except planished), chains, etc., the following freight rates are effective in cents per 100 lb.:

Boston	$0.30	New Orleans	$0.38½
Buffalo	.17	New York	.27
Chicago	.27	Pacific Coast (all rail)	1.25*
Cincinnati	.23	Philadelphia	.24½
Cleveland	.17	St. Louis	.24
Denver	.99	St. Paul	.49½
Kansas City	.59	Detroit	.33
		Baltimore	.33

Note—Add 3% transportation tax. * Minimum carload, 80,000 lb.

CONTRACTORS' SUPPLIES

STEEL SHEET PILING—The following price is base per 100 lb. f. o. b. Pittsburgh, with a comparison of a month and a year ago:

Current	One Month Ago	One Year Ago
$2.55	$2.55	$4

WIRE ROPE—Discounts from list price on regular grades of bright and galvanized are as follows:

	New York and St. Louis
Hercules red strand, all constructions	20%
Patent flattened strand special and cast steel	20%
Patent flattened strand, iron rope	5%
Plow steel round strand rope	35%
Special steel round strand rope	30%
Cast steel round strand rope	22½%
Iron strand and iron tiller	5%
Galvanized iron rigging and guy rope	+12%

San Francisco: Galvanized, less 5%, bright, less 25%.
Chicago, +17½ on galvanized, 35 off on bright.

MANILA ROPE—For rope smaller than ½-in. the price is ½ to 2c. extra; while for quantities amounting to less than 600 ft. there is an extra charge of 1c. The number of feet per pound for the various sizes is as follows: ½-in., 8 ft., ¾-in., 6; ½-in., 4½; 1-in., 3½; 1¼-in., 2 ft. 10 in.; 1½-in., 2 ft. 4 in. Following is price per pound for ½-in. and larger, in 1200-ft. coils:

Boston	$0.27½	Kansas City	$0.26½
New York	.27	New Orleans	.25½
Chicago	.26½	Los Angeles	.28
St. Paul	.26	Seattle	.25
San Francisco	.24	St. Louis	.26½
Atlanta	.29½	Montreal	.32
Denver	.27½	Detroit	.26
Cincinnati	.27½	Baltimore	.25

EXPLOSIVES—Price per pound of dynamite in small lots and price per 25 lb keg for black powder.

	Low Freezing 20%	Gelatin 40%	Gelatin 60%	Gelatin 80%	Black Powder
New York	.....	$0.27½	$0.30	.....	$2.40
Boston	$.2225	.2425	.2675	$.3100	2.20
Kansas City	.185	.2275	.2525	.29	2.45
New Orleans	.2375*	.2275	.2475	.....	.....
Seattle	.1375	.180	.2050	.2475	1.70
Chicago	.1825	.2075	.25	.2925	2.15
St. Paul	.185	.2275	.2525	.....	2.25
St. Louis	.185	.2275	.2325	.2950	1.80
Denver	.1725	.215	.240	.2825	2.25
Dallas	.....	.....	.288	.342	2.75
Los Angeles	.25	.30	.35	2.75	3.00
Atlanta	.22	.245	.265	.....	2.55
Baltimore	.19	.23½	.28½	.30	2.35
Cincinnati	.1825	.2075	.2275	.....	2.10
Montreal	.28	.31	.34	.38	3.90

* For 50%.

POLES—For plain pine poles, delivered New York, the price is as follows:

10-in. butts, 5-in. tops, length 20-30 ft	$9.00
12-in. butts, 6-in. tops, length 30-40 ft	11.50
12-in. butts, 6-in. tops, length 41-50 ft	12.50
14-in. butts, 6-in. tops, length 51-60 ft	21.00
14-in. butts, 6-in. tops, length 61-71 ft	23.50

Note—At the present time it is almost impossible to give accurate prices on poles. The above are only nominal.

	Dallas Aug. 1, 1919
6-in. x 20-ft	$4.60
6-in. x 30-ft	7.10
8-in. x 30-ft	8.45
8-in. x 35-ft	10.38

OLD MATERIAL—The prices following are per gross ton paid to dealers and producers in New York. In Chicago and St. Louis the quotations are per net ton and cover delivery at the buyer's works, including freight transfer charges.

	New York	Chicago	St. Louis
No. 1 railroad wrought	$24.00	$23.00	$25.00
Stove plate	17.50	24.00	26.50
No. 1 machinery cast	25.50	29.75	30.00
Machine shop turnings	12.00	10.85	15.50
Cast borings	14.00	11.85	15.00
Railroad malleable cast	16.50	24.00	25.00

SHIP SPIKES—Current prices per 100 lb.

In.	San Francisco Galv.	San Francisco Black	Seattle Black
½	$9.20	$8.50	$8.55
⅝	8.75	6.75	8.25
¾	8.60	6.60	8.30

Pittsburgh base, $3.85 to $4 per 100 lb.

LABOR RATES AND CONDITIONS THROUGHOUT THE COUNTRY

S means scarce; E, enough; P, plentiful

Cities	Brick-layers	Car-penters	Hoisting Engineers	Hod Carriers	Pile Drivers	Structural Iron Workers	Common Labor	Remarks
Atlanta	$0.90S	$0.60-75P	$0.50-65P	$.40-.45P	$0.60-.65	$0.75	$0.35P	Atlanta—Some bricklayers are receiving $1.10 to $1.25 an hour. Some shortage of skilled labor. No strikes.
Baltimore	1.00E	.80-90E	.87½E	.46-.54E	.74E	.87½E	.35-.45P	Baltimore—Labor sufficient in all trades.
Boston	.90-.92P	.85-.92½P	.90-1.00P	.60-.70S	80-90P	1.00P	.52½-.62½E	Boston—Degnon Construction Co. is advertising for common labor for tunnel work at Kingston, 45 to 60c. Labor agencies supplying lumber camps offer 50c. for long jobs. Labor generally plentiful.
Cincinnati	.....	.....	.70	.....	.50	.....	.....	
Dallas	1.00E	.87½S	.87½E	.37½-.40S	.....	.75S	.35S	Dallas—Common labor very scarce.
Denver	1.00E	1.00E	.87½E	.72	.....	.87½E	.56½E	Denver—Hod carrier's strike settled with 50c. per day increase, effective Jan. 1.
Detroit	1.10S	.85E	.90.1E	.65-70E	.90P	.85-.90E	.60-.65E	Detroit—Bricklayers receive as high as $1.40 on residence work. Labor shortage clearing up. No general strikes, but construction is retarded by shortage of building materials
Kansas City	1.12½E	1E	1.12½E	.92½E	1E	1.12½E	.50E	Kansas City—All trades busy.
Los Angeles	.87½E	.75E	.75P	.56-.75S	.75P	.75P	.50-.62½E	Los Angeles—These figures are of Oct. 1.
Montreal	.75	.75	.65S	.50-55S	.55P	.45-.55S	.30-.45S	Montreal—Good labor scarce account of exodus of foreigners, which comprise 75 per cent. of Canadian labor.
New Orleans	.87½S	.75	1.00	.60	.80-1.00	.75	.30-.35	
New York	.87½	.81¼	.87½	.57½	.81¼	.87½	.56¼	New York—New agreement effective Jan. 1.
Pittsburgh	1.00	.90	.90	.60	.60	1.00	.40-.45S	Pittsburgh—No strikes.
St. Louis	1.00	.87½	1.00-1.12½	.70	.80-.92½	.90	.45-.60	St. Louis—Skilled labor, 50c. to 75c. Bricklayers on sewers, $1.00.
St. Paul	.87½	.75	.80	.50	.80	.85	.47½	St. Paul—On Aug. 12, bricklayers asked for $1, ignoring agreement to work until May 1, 1920, at 87½c. Sewer diggers, 50c. an hour; paving-block layers, 50c.; teams, 90c.
San Francisco	1.25E	1.00E	1.00E	.87½E	1.00E	1.00E	.45-.50E	San Francisco—All lines busy. No strikes.
Seattle	1.12	.93¾	.94	.75-.80	.90	1.00	.75S	Seattle—Considerable residence construction; building construction improved over last month. Street and road work booming. Labor situation easier, although there is a shortage in skilled labor.

PROPOSALS

"For Proposals Advertised see the pages immediately following the Construction News Section."

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 16	Orange, Va.	Dec. 11
Dec. 17	Canton, O.	Dec. 11
Jan. 5	Galesburg, Ill. Adv. Dec. 11.	Dec. 11

SEWERS

Dec. 15	Okmulgee, Okla.	Dec. 4
Dec. 15	Muskegon, Mich.	Dec. 11
Dec. 18	Milwaukee, Wis.	Dec. 11
Dec. 19	Cleveland, O.	Dec. 4
Dec. 22	Euclid, O.	Dec. 4
Dec. 31	Grasse Pointe, Mich.	Dec. 11
Jan. 15	Duluth, Minn.	Dec. 11

BRIDGES

Dec. 15	Aspermont, Tex.	Dec. 4
Dec. 15	Morris, Minn.	Dec. 11
Dec. 19	Little Rock, Ark.	Dec. 11
Jan. 6	Owatonna, Minn.	Dec. 11
Feb. 7	Bethlehem, Pa.	Dec. 11

STREETS AND ROADS

Dec. 15	New York, N. Y.	Dec. 11
Dec. 15	Muskegon, Mich.	Dec. 11
Dec. 15	Ft. Scott, Kan.	Dec. 11
Dec. 16	Newark, N. J.	Dec. 4
Dec. 16	Rochester, N. Y. Adv. Dec. 4.	Dec. 4
Dec. 16	Washington, Ga.	Dec. 4
Dec. 16	Natchez, Miss.	Dec. 11
Dec. 17	Riverside, Cal.	Dec. 4
Dec. 18	Frankfort, Kan.	Dec. 11
Dec. 19	Versailles, Mo.	Dec. 11
Dec. 19	St. Louis, Mo.	Dec. 11
Dec. 19	Sylvester, Ga.	Dec. 4
Dec. 20	Waynesburg, Pa.	Dec. 11
Dec. 22	Eutaw, Ala.	Dec. 11
Dec. 22	Rapid City, S. D.	Dec. 11
Dec. 22	St. Louis, Mo.	Dec. 11
Dec. 22	Rapid City, S. D.	Dec. 11
Dec. 22	Wenatchee, Wash.	Dec. 4
Dec. 22	Macon, Miss.	Dec. 11
Dec. 23	Ventura, Cal.	Dec. 11
Dec. 23	Gaylord, Minn.	Dec. 11
Dec. 23	Henderson, Minn.	Dec. 4
Dec 26	Wauwatosa, Wis.	Dec. 11
Jan. 5	St. Louis, Mo.	Dec. 11
Jan. 15	St. Louis, Mo.	Dec. 11
Jan. 17	St. Louis, Mo.	Dec. 11
Jan. 19	Finch, Ont.	Dec. 4
Jan. 28	St. Louis, Mo.	Dec. 11

EXCAVATION AND DREDGING.

Dec. 17	Portage, Wis.	Dec. 4

INDUSTRIAL WORKS

Dec. 15	Ft. Worth, Tex.	Dec. 4
Dec. 17	Brooklyn, N. Y.	Dec. 4
Dec. 19	Tahlequah, Okla.	Dec. 11

BUILDINGS

Dec. 15	Pittsburg, Kan.	Dec. 4
Dec. 15	East Cleveland, O.	Dec. 4
Dec. 15	Three River, Mass.	Dec. 11
Dec. 15	Philadelphia, Pa.	Dec. 11
Dec. 15	Waynesboro, Pa.	Dec. 11
Dec. 15	Waterbury, Conn.	Dec. 11
Dec. 15	Baltimore, Md.	Dec. 11
Dec. 16	New Bedford, Mass.	Dec. 4
Dec. 16	Stennett, Ia.	Dec. 4
Dec. 17	Wards Island, N. Y.	Dec. 4
Dec. 17	Austin, Minn.	Dec. 11
Dec. 17	Meckling, S. D.	Dec. 11
Dec. 17	Cleveland, O.	Dec. 4
Dec. 18	Pittsburgh, Pa.	Dec. 4
Dec. 18	Albany, Ga.	Dec. 11
Dec. 19	Macksburg, Ia.	Dec. 4
Dec. 19	Cleveland, O.	Dec. 4
Dec. 19	Carlisle, O.	Dec. 4
Dec. 20	Ness City, Kan.	Dec. 4
Dec. 20	Independence, Kan.	Dec. 4
Dec. 20	Indianapolis, Ind.	Dec. 11
Dec. 22	Yuma, Ariz.	Dec. 4
Dec. 22	Lafayette, Minn.	Dec. 11
Dec. 22	Detroit, Mich.	Dec. 11
Dec. 23	Fairport, O.	Dec. 4
Dec. 29	Cleveland, O.	Dec. 4
Dec. 22	Santa Monica, Cal.	Dec. 11
Dec. 27	Chandle, Ariz.	Dec. 11
Dec. 30	Mt. Pleasant, Ia.	eDc. 11
Jan. 1	Bloomer, Wis.	Dec. 11
Jan. 1	Vancouver, B. C.	Dec. 11
Jan. 2	Duluth, Minn.	Dec. 11
Jan. 3	McKeesport, Pa.	Dec. 11
Jan. 3	Woodbine, Ia.	Dec. 11
Jan. 5	Gaza, Ia.	Dec. 11
Jan. 10	Kenosha, Wis.	Dec. 11
Jan. 13	Storm Lake, Ia.	Dec. 4
Jan. 15	Jacksonville, Ill.	Dec. 11
Jan. 19	Lowell, Mass.	Dec. 11
May 15	Syracuse, N. Y.	Dec. 11

FEDERAL GOVERNMENT WORK

Dec. 17	Heating — Spec. 4091 — Charleston, S. C.	Dec. 4
Dec. 17	Cranes—Spec. 4092—Norfolk, Va.	Dec. 4
Dec. 17	Cranes—Spec. 4092—Philadelphia, Pa.	Dec. 4
Dec. 17	Concrete Walls — Spec. 4096—Paris Island, S. C.	Dec. 4
Dec. 19	Dredging—Seattle, Wash. Adv. Dec. 4.	Dec. 4
Dec. 23	Animal House Extension — Washington, D. C.	Dec. 4
Dec. 23	Cranes — Spec. 4092 — Norfolk, Va.	Dec. 11
Dec. 23	Cranes—Spec. 4092—Philadelphia, Pa.	Dec. 11
Dec. 26	Lock Gates — Wheeling, W. Va. Adv. Dec. 4.	Dec. 4
Dec. 30	Electric Elevators—Stapleton, N. Y.	Dec. 11
Dec. 30	Remodeling Custom and Court House—Toledo, O.	Dec. 11
Feb. 2	Tower and Dwelling—Rincon, P. R. Adv. Dec. 11.	Dec. 11

MISCELLANEOUS

Dec. 16	Foundation—New Bedford, Mass.	Dec. 4
Dec. 16	Pipe and Castings, Newark, N. J.	Dec. 11
Dec. 17	Tractor — Hollidaysburg, Pa.	Dec. 4
Dec. 17	Transmission Line—Hollidaysburg, Pa.	Dec. 11
Dec. 19	Gas Distributing System—Avalon, Cal.	Dec. 11
Dec. 19	Pump—Cleveland, O.	Dec. 4
Dec. 22	Electric Pump—Sault Sainte Marie, Mich.	Dec. 4
Dec. 23	Jib Cranes — New York, N. Y. Adv. Dec. 4.	Dec. 4
Jan. 22	Pipes, Valves, etc. — St. Louis, Mo.	Dec. 11

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Bristol—Bd. Water Comn., 255 Main St., having plans prepared by D. F. Crowley, engr., 192 Main St., for 60,000,000 gal. earth and concrete reservoir.

S. C., Williston—Comrs. Pub. Wks. soon let contract laying water mains in various streets. Work involves 5000 ft. 18 in., 50 ft. 10 in., 725 ft. 8 in. and 10,348 ft. 6 in. pipe, 6.5 tons casting, 26 hydrants, 20 valve boxes, etc. Ryan Eng. Co., Sumter, engrs.

La., Shreveport—City voted $400,000 bonds to improve waterworks and sewerage system.

O., Dayton—City plans to build 15,000,000 gal. storage reservoir and 2 feed lines from reservoir, at Ohmer Park. About $175,000. F. O. Eichelberger, city engr.

O., Middlefield — Village plans to build pumping station and pipe line. About $30,000. E. Reed, clk.

Ind., Michigan City—City plans to build waterworks plant. About $150,000. C. Brossman, 1503 Merchants Bank Bldg., Indianapolis, engr.

Wis., Cedarburg—City plans to build waterworks system. About $75,000. T. Bechley, aud. Engineer not selected.

Wis., Rio—Village voted $28,500 bonds to improve waterworks system. W. G. Kirchoffer, 31 Vroman Blk., Madison, engr.

Minn., Hopkins—Village plans to build 750 ft. well and install pumping machinery. About $20,000. J. W. Shaffer & Co., 591 New York Life Bldg., Minneapolis, engrs.

Kan., Aurora—City plans to build waterworks system, pumping plant, steel tank, etc. About $30,000. Engineer not selected.

N. D., Aneta—City having plans prepared improving waterworks system. Cost to exceed $10,000. T. R. Atkinson, Bismarck, engr.

N. D., Dunseith—State Bd. Control, Bismarck, preparing plans for water softening plant for State Tuberculosis Sanitarium, here. About $5000.

N. D., Mayville—City plans election soon to vote on $10,000 bonds to install water softening plant. A. Jorndet, city engr.

N. D., Ray—City having plans prepared for improving waterworks system. About $25,000. T. R. Atkinson, Bismarck, engr.

N. D., Williston—City plans to alter waterworks plant and install new filter bed. A. Jack, Williston, city engr.

Okla., Depew—City voted $45,000 bonds to extend waterworks and electric light systems. Engineer not selected.

Okla., Fairview—City voted $90,000 bonds to improve waterworks system. Engineer not selected.

Idaho, Newdale—Village plans to issue $25,000 bonds to build waterworks system. E. M. Stocks, chn.

Idaho, Preston—City election Dec. 16, to vote on $500,000 bonds to build waterworks system.

Wash., Tacoma—City plans to improve water system, involving 6 and 8 in. wooden water mains with necessary blowoffs, circulating connection gates, crosses, etc. About $8076. J. C. Manley, city engr.

Ore., Echo—City plans to improve waterworks system by extending it to side streets and replacing all wooden pipes with 8 in. c.i. mains. About $5000.

Ore., Klamath Falls—Klamath Irrigation Dist. plans election in January to vote on $175,000 bonds to build reservoir, dam, flumes, canals and laterals in Klamath Co. adjoining Klamath Falls. I. R. Struble, mayor.

Ore., Seaside—City Council adopted resolution to extend watermains in side streets. About $5000. E. S. Abbot, aud.

Cal., Glendale—City voted $260,000 bonds to extend water system and build power generating plant. E. M. Lynch, Central Bldg., Los Angeles, engr.

Cal., Hayward—City voted $200,000 bonds to build waterworks system. M. B. Templeton, clk. Noted June 12.

Cal., Yucaipa—Redlands & Yucaipa Land Co. plans to construct waterworks system, to consist of several pumping plants, steel pipe lines and reservoirs. About $100,000. Engineer not selected.

BIDS DESIRED

Va., Orange—Until Dec. 18, by town, building c. i. water mains from town to Rapidan River and installing filtration plant and pumping station. Work will be let in 4 sections: (1) furnishing 3 mi. 8 in. c. i. pipe, (2) digging ditches and laying pipe, (3) furnishing and installing 15,000 gal. per hour filtration plant, (4) furnishing and installing pumping plant, to include two 60 h. p. crude oil engines, two 250 gal. per min. centrifugal pumps, 450 ft. head, one 250 gal. per min. centrifugal pump, 50 ft. head. Saville & Claiborne, Inc., 7th and Main Sts., Richmond, engrs.; advertised in this issue.

O., Canton—Until Dec. 17, by W. I. Zink, dir. pub. serv., building rein.-con. equalizing basin, 15,000,000 gal. capacity, including excav., piping, gate valves and sluice gates, and other appurtenances. R. W. Pratt, 716 Hippodrome Bldg., Cleveland, engr.; advertised in this issue.

Waterworks (Continued)

O., Toledo—Until Dec. 16, by D. H. Goodwillie, dir. pub. serv., laying 17,500 ft. 30 and 42 in. c.i. force main together with setting of 15 valves, also trenching, backfilling, repaving, and building gate chamber, etc. W. G. Clark, 1047 Spitzer Bldg., consult. engr.

Ill., Galesburg—Until Jan. 5, by city, building complete pumping unit. W. L. Boutelle, clk.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., New York—Dept. Water, Gas & Electricity received lowest 3 bids, Nov. 25, laying water mains in East 167th St., etc., from Beaver Eng. & Contg. Co., 51 Chambers St., $376,406; Booth & Flinn, 17 Battery Pl., $388,000; F. L. Paino, Woodhaven, L. I., $385,689.

O., Silver Lake (Cuyahoga Falls P. O.)—Village received bids building two 1 story 17 x 17 ft., concrete, steel and brick pump houses, from Gangl Constr. Co., 2nd Natl. Bank Bldg., Akron, $10,238; Aljer & Tillman, Guardian Bldg., Cleveland, $11,478. Noted Dec. 4.

★**Mich., Detroit**—City will lay 14,185 ft. 6-in. mains in Dexter Blvd., Seven Mile Rd., Fairview, Blaine, Prairie, Scotte, Petoskey, Lark, Kern, Gladstone, Senator, Trenton, Holmer, Milner, Milton, Dalrymple, Florence, Warren, Beniteau, Shields, Clarion, Ilene and Elridge Aves.; 13,133 ft. 8-in. mains, 51st St., 8 Mile Rd., Vernon, Chalmers, Hildale, Martindale, Klinger, Montcalm, Elmdale, Algonquin, Casper, Burnette, Fayette, Bryden and American Aves.; 360 ft. 10-in. mains, Central Ave.; 1010 ft. 12-in., Livernois Ave., 1310 ft. 24-in. mains, Van Dyke Ave. Work will be done by day labor.

Wash., Seattle—Bd. Pub. Wks. received bids Nov. 24, building water mains in 80th St., et al, involving 2556 ft. 6-in. and 275 ft. 2-in. wood pipe, banded for 250 ft. head, from F. Agostino, 1335 21st St., S., $16,052; Coluccio & Co., Seattle, $17,109; Scalzo & Co., Seattle, $17,161.

★**Wash., Seattle**—Bd. Pub. Wks. let contract replacing water mains in West 45th St., et al, involving 29,920 lin.ft. 8-18 in. class "C" c.i. pipe to S. A. Moceri, 1515 West Barrett St., $147,078; West 61st St. involving 33,112 lin.ft. 8-12 in. class "C" c.i. pipe, and West 50th St., involving 32,760 lin.ft. 8-16 in. class "C" c.i. pipe, to Jahn & Bressi, Seattle, $135,884 and $146,723 respectively.

Sewers

PROPOSED WORK

N. J., Weehawken—Town Council plans to build new sewer in West 18th St. About $10,000.

Pa., Hazelton—See "Streets and Roads."

Md., Hagerstown—City plans to build sewerage system and sewage disposal plant. About $270,000. J. McP. Scott, mayor.

La., Shreveport—See "Waterworks."

O., Ashtabula—City receives bids about March, building sewage disposal plant. L. A. Amsden, city engr.

O., Toledo—H. McClure, city engr., soon lets contract building 8000 ft. 8-18 in pipe sewers in Detroit and Sylvania Aves. About $12,000.

Ind., Huntingburg—City plans to build sewerage system and disposal plant. About 75,000. C. Brossman, 1503 Merchants Bank Bldg., Indianapolis, engr.

Mich., Adrian—State Bd. Charities, Lansing, having tentative plans prepared for trenching and laying vitr. crock sewerage system in grounds of Industrial Home for Girls, here. About $20,000. A. Jewell, c/o State Bd. Health, Lansing, engr.

Mich., Saginaw—City Council having plans prepared by H. H. Eymer, engr., City Hall, for sewers in Bay and Ames Sts. from State St. to north city line, Charles St. from Monroe to Cooper Sts. and Alger St. from Holland to Ruckle Sts., involving 12-24 in. vitr. crock pipe. About $30,000.

Wis., Cedarburg—City plans to build pipe sewer in Main St. and install gravity-flow sewage system. About $100,000. Engineer not selected.

Wis., Eau Claire—City having plans prepared building 9700 ft. sewers in North Side Dist. About $16,000. A. R. Garnock, city engr.

Wis., West Allis (Milwaukee P. O.)—State Sanitary Engineer, Madison, has recommended reconstruction of west end sewage disposal plant. About $10,000. A. Schneider, city engr.

Ia., Winfield—City receives bids in January, building 5 mi. sewers and sewage disposal plant. About $100,000. H. R. Green, 107 North 2nd St., Cedar Rapids, engr.

Neb., Gibbon—City plans to build new sewerage system. About $75,000. Architect not selected.

N. D., Aneta—City having plans prepared for improving sewerage system. About $15,000. T. R. Atkinson, Bismarck, engr.

N. D., Kenmare—City plans to install storm water sewer. About $15,000.

N. D., Ray—City having plans prepared improving sewerage system. About $45,000. T. R. Atkinson, Bismarck, engr.

Okla., Dilworth—City voted $20,000 bonds to build sanitary sewerage system.

Okla., Fairview—City voted $40,000 bonds to improve sewerage system. Engineer not selected.

Wash., Toppenish—City plans to build 6000 ft. 8- 15-in. trunk sewer in Swasey and Woodlawn Additions, to connect with existing sewer. About $15,000.

Ore., Portland—City Council adopted resolution to build East 33rd and Stafford Sts. sewerage system, vitr. or cement pipe, with necessary lampholes, manholes, catchbasins, sewer service pipes and branches. Cost $229,646. O. Laurgaard, city engr.

Ore., Portland—City soon receives bids building vitr. or cement sewers in Ainsworth and Mississippi Aves., $13,989; Webster and East 12th Sts., $24,957; Carlton Ave. from East 39th to Eastmoreland Sts., $1520; Glenn and Ainsworth Aves., $5089; East 29th St., $20,327; Ainsworth Ave. and East 29th St., $6465; Minnesota and Ainsworth Aves., $24,720; Jordan St. from Lombard to Butler Sts., $3932; Glenn Ave. from Ainsworth Ave. to North St., $3368; Wygant and East 29th Sts., $21,106. O. Laurgaard, city engr.

Ore., Portland—City Council soon lets contract building sewers in Glisan St. from 10th St. to Willamette River, cost $37,366; East 65th and Stanton Sts.; Division St. from East 7th to East 9th Sts., 5th Ave. from Nevada St. to sewer on south line of lot 14, Block J, Fulton Park; East 84th St. from East Burnside to East Stark Sts.; Bradford and Alta Sts. sewerage system, cement or vitr. pipe. O. Laurgaard, city. engr.

Ore., Seaside—City Council adopted resolution to extend sewerage system in side streets, vitr. or cement pipe. About $15,000. E. S. Abbot, aud.

Cal., Calipatria—City election Dec. 16 to vote on $40,000 bonds to build sewerage system. E. M. Lynch, Central Bldg., Los Angeles, engr.

Cal., Hayward—City voted $15,000 bonds to build outfall sewerage system. M. B. Templeton, clk.

BIDS DESIRED

Mich., Grosse Pointe—Until Dec. 31, by M. L. Brown & Son, engrs., 823 Chamber Commerce, Detroit, building storm sewerage system in Jefferson Ave., and sewer outlet to discharge into lake, involving 1100 ft. 36 in. rein.-con. or segmental block, and 2490 ft. 15-24 in. vitr. crock pipe. About $28,000.

Mich., Muskegon—Until Dec. 15, by B. H. Tellman, city recdr., building sewer in Western Ave., Special Sewer Dist. No. 30; Sect. 1, involving 200 ft. 48 in. c.i. pipe, 1245 ft. 24-48 in. rein.-con. or segmental block, 485 ft. 12 and 18 in. tile; Sect. 2, furnishing and driving 100 piles in Muskegon Lake, placing 97 pieces 6 x 10 in. cross ties, 80 lin.ft. 6 x 12 in. timber, 1000 lb. iron, also furnishing and placing 980 ft. 48 in steel pipe with flanged ends and gaskets.

Wis., Milwaukee—Until Dec. 18, by H. Fowles, secy. sewerage comn., building sewerage system at east side of [illegible] Island, including 1800 lin.ft. pile and timber bulkhead, 2400 lin.ft. steel sheet piling cofferdam and 170,000 cu.yd. excav. C. Hatton, city engr.

Minn., Duluth—Until Jan. 15, by A. Farrell, city comr., building 2330 ft. rein.-con. sanitary sewer in 45th Ave. W. to Traverse Alley thence to 49th Ave. W. About $15,267. L. Ayers, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Lynn**—City let contract to grub out and repairing 840 lin.ft. outfall sewer involving 8 brick manholes, 17 ton reinforcing steel bars, 250 cu.yd. concrete, 2000 cu.yd. earth and 10 cu.yd. rock trenching, to A. Baruffaldi, 5 Parker Pl., Somerville, $34,112.

★**Conn., Waterbury**—City let contract laying 1869 ft. 15 in. vitr. sewer in Bunker Hill Ave., to R. Diorio, 86 East Main St., $13,489; 640 ft. 24 in. vitr. pipe conduit in Beacon St. from Fleet to Crown Sts., to DeSimone, Mazzafero & Co., 32 Walnut St., $5669.

★**Conn., Waterbury**—City let contracts to R. Diorio & Co., 86 East Main St., building sewers in Buckingham and Lounsbury Sts., involving 602 ft. 8 in. vitr. pipe, $4.08 per ft., 2 brick manholes, $130 each, 100 cu.yd. rock excav., $20 per cu.yd., total cost, $4716; to A. Lambo, Box 939, in Hawthorne Ave., Geddes Terrace, Rutland and Russell Sts., 4450 ft. 8 in. vitr. pipe, $4.51 per ft., 250 ft. 9 in., $4.60, 22 brick manholes, $125 each, 70 cu.yd. rock excav., $15 per cu.yd., $25,020; to Barbara & D'Aurio, 63 Park St., in Clairmount Ave., Seymour, Addison and Francis Sts., 4699 ft. 8 in. vitr. pipe, $4.43 per ft., 19 brick manholes, $110 each, 75 cu.yd. rock excav., $19 per cu.yd., $24,332.

N. Y., New York—Acting President, Manhattan Boro., received bids Nov. 25, repairing barrel sewer in (a) Coenties Slip, (b) 5th St., East River, (c) 21st St., East River, (d) emergency repair to overflow at 129th St., from J. Riches, 23 Willow Pl., Brooklyn, (a) $10,680, (b) $9903, (c) $8721; J. F. Higgins, (a) $13,421, (b) $12,609, (c) $12,060; Reilly Contg. Co., Elmhurst, L. I., (a) $14,426, (b) $11,795, (c) $11,055, (d) $2430; J. J. Hademan, (b) $10,624, (d) $1610; H. E. Fox, 81 East 125th St., (d) $1650.

★**O., Cleveland**—Corrigan Realty Co., 909 Williamson Bldg., let contract building sewer in McKinley Ave., involving 2880 ft. 8-20 in. vitr. pipe, 12 manholes, etc., to Frederich & Hosine, 635 Bradley Court, $14,739.

O., Cleveland—E. W. White, East 79th St. and St. Clair Ave., received bids building sewer in Edgewood Ave., involving 1770 ft. 20-30 in. vitr. pipe, 10 manholes, etc., from D. Zullo, 10501 Hudson Ave., $14,657; B. W. Ernest, 14011 Madison Ave., $14,832.

Mich., Detroit—City received bids building sewers (a) No. 3165, (b) 3208, (c) 3209, (d) 3227, (e) 3235, from Wenzel Constr. Co., 54 Buhl Bldg., (a) $11,291, (b) $10,683, (c) $15,982, (d) $18,796, (e) $12,449; Western Constr. Co., 1208 Ford Bldg., (a) $9139, (b) $9923, (c) $13,923, (e) $10,541; Lennane & McIlvenna, 1205 Book Bldg., (a) $9875; Liberty Constr. Co., Penobscot Bldg., (b) $10,443, (c) $12,936, (d) $12,240, (e) $11,967.

★**Mich., Detroit**—City will build sewers Nos. 3218, 3230, 3231, 3237, 3240, by day labor under supervision of Dept. Pub. Wks.

★**Mich., Detroit**—City let contract building 3312 ft. egg shaped sewer in Raymond Ave., concrete or segmental block, varying in size from 3 ft. x 4 ft. 6 in. to 3 ft. 4 in. x 5 ft., to R. F. Baker, 485 Elmhurst Ave., $47,500; 1525 ft. sewer extension in Dexter Blvd., brick, concrete or segmental block, cylindrical section varying from 3 ft. 6 in. to 4 ft., to Lennane & McIlvenna, 1205 Book Bldg., $14,995.

★**Mich., Muskegon Heights**—City let contract laying and completing lateral and main sewerage system in Dist. No. 31, involving 22,000 ft. 10-24 in. vitr. crock pipe, to G. W. Clark, Muskegon.

Minn., St. Paul—H. W. Austin, city purch. agt., received bids Nov. 24, building sewers in Bway. between 4th St. and Miss-

Sewers (Continued)

issippi River, from O'Neil & Preston, 60 East 6th St., monolithic rein.-con., $103,-; De Graff & Wolff, 985 Scheffer St., monolithic concrete, $107,000, brick, $110,-, segmental block, $109,500.

Ore., Portland—City Council received bids building sewers in (a) East 63rd St. from point 420 ft. south of Shaver St. to proposed sewer in East 33rd St., (b) East 13th St. from Ainsworth Ave. to North St., (c) East 69th St. from East Flanders to East Glisan Sts., (d) Girard St. from Haven to Newman Sts., (e) East 69th St. from East Flanders to East Davis Sts., (f) improving 15th St. from south to north line of Hoyt St., (1) concrete pipe, (2) cement, (3) stone block pavement in roadway, (4) in track, (5) basalt stone block in roadway and track, from Warren Constr. Co., Journal Bldg., (a1) $34,832, (c1) $770, (d1) $2744, (e1) $813, (f3) $8 per sq.yd., (f4) $7.50, total $3428; J. Keating, Portland, (a) $36,749, (c2) $797, (d2) $2456, (f5) $7 per sq.yd., $3454; Azar & Co., Portland, (b2) $3028; Mehemarie & Co., Portland, (b2) $2953, (d2) $2388; Finnigan & Williams, Portland, (b2) $3086, (c2) $719; Cochran Bros., (e) $740; S. Dyoub, (e2) $795; K. G. Lundstrom, Worcester Bldg., (f3) $8.50 per sq.yd., (f4) $8, $3388.

★**Cal., Long Beach**—See "Streets and Roads."

Bridges

PROPOSED WORK

N. J., Trenton—Bd. Freeholders Mercer Co. plans to build 369 ft. steel and concrete bridge, 32 ft. wide, over Canal and Pennsylvania R.R. tracks, at Southard st. About $155,000. F. H. Franklin, c/o Waddell & Son, Phila., engr.

O., Ashtabula—Comrs. Ashtabula Co. (Jefferson) plan to build 1000 ft. steel bridge, 30 ft. wide, here. About $250,000. State will appropriate toward cost. Engineer not selected.

O., Conneaut—Comrs. Ashtabula Co. (Jefferson) plan to build 1150 ft., steel bridge, 30 ft. wide, here. About $300,000. State will appropriate toward cost. Engineer not selected.

Wis., Racine—City plans to build State St. bascule bridge, cost, $250,000; 6th St. bridge and viaduct, $150,000; Milmine Bridge, concrete arch, $50,000. P. H. Connolly, city engr.

Kan., Girard—See "Streets & Roads."

N. B., Fredericton—Canadian National Rys., 27 Wellington St., E., Toronto, preparing plans for bridge over St. John River. About $1,000,000. A. F. Stewart, ch. engr.

BIDS DESIRED

Pa., Bethlehem—Until Feb. 7, by City building rein.-con. and steel bridge between here and South Bethlehem, 1 mi. long, 64 ft. wide. About $2,315,000. C. Hudson, 21 Park Row, New York City, engr. Noted March 20.

Minn., Morris—Until Dec. 15, by C. R. Wollthan, aud. Stevens Co., building 60 ft. low truss span, 20 ft. roadway, rein.-con. abutment, over Pommede Terre River, Sect. 13, T. 124 N., R. 42 W., State Rd. No. 2.

Minn., Owatonna—Until Jan 6, by C. J. Servatius, clk., building 124 ft., steel and concrete bridge over Straight River, at Bridge St., 34 ft. wide, two 8 ft. walks, lamp posts, etc. About $40,000. J. H. A. Brahtz, Chamber of Commerce Bldg., St. Paul, engr.

Arkansas—Until Dec. 19, by State Highway Dept., Little Rock, building 10 steel bridges on Little Rock-Hot Springs Highway. Lund & Hill, 527 Southern Trust Bldg., Little Rock, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., New Haven**—City let contract building steel girder bridge encased, over Quinnipiac River, on Middletown Ave., to have two 55 ft. spans and one 43 ft. span, 22 ft. roadway, 10 ft. sidewalk, rein.-con. slab floor, etc., to C. A. Sibley, 902 Chapel St. About $90,000.

★**O., Columbus**—Norfolk & Western R.R., Roanoke, Va., let contract building 600 ft. bridge, 50 ft. wide, steel superstructure, concrete abutments, here, to Cummings Blair Co., 354 Leader-News Bldg., Cleveland. About $200,000.

★**Mich., Detroit**—See "Industrial Works."

★**Mich., Pontiac**—Oakland Co. let contract furnishing material and labor for 55 ft. concrete and steel bridge over River Rouge, near Oakland Co. line, 20 ft. wide, to G. F. Bristol, 213 California Ave., Highland Park. About $10,200.

★**N. M., Los Lunas**—City let contract building 926 ft. rein.con., steel and concrete bridge over Rio Grande River, 25 ft. wide, to Midland Bridge Co., El Paso, Tex. About $56,000.

★**Wash., Yakima**—Comrs. Yakima Co. let contract building Piland Bridge, 112 ft. steel span, to Union Bridge Co., foot Fenwick and Kenton Sts., Portland, $17,890. Noted Sept. 18.

Cal., Long Beach—Bd. Supervs. Los Angeles Co., (Los Angeles) received bids building 3 steel and timber bridges over flood control channel, here, (a) 7th St. Bridge, involving 700 tons steel, (b) Anaheim St. Bridge, 2 contracts (1) 190 tons steel, (2) 3420 cu.yd. excav., 104 creosoted piles, 39,400 ft. lumber and 111,700 ft. untreated lumber, (c) Ocean Blvd. Bridge, 596 tons steel, from C. W. Beverstok, 3710 South Alameda St., Los Angeles, (a) $109,414, (b-1) $31,460, (c) $94,666; Pennsylvania Bridge Co., Beaver Falls, Pa., (a) $118,915, (b-1) $36,124, (c) $105,898; Mercereau Bridge & Constr. Co., Pacific Electric Bldg., Los Angeles, (b-2) $22,594. Foundation Co., 58 Sutter St., San Francisco, bid on all bridges, cost plus 8%.

★**N. B., Hampstead**—Provincial Dept. Pub. Wks., Fredericton, let contract building 30 ft. span arch bridge over Little River, here, to Concrete Builders, Ltd., Fredericton. About $36,800.

Streets and Roads

PROPOSED WORK

N. Y., Buffalo—City plans to pave Humber Ave. from Delavan to Sussex Sts., Kermit Ave. from Bailey to Olympic Aves. and Warwick Ave. from Girder to Wyoming Ave., all 26 ft. wide. G. H. Norton, city engr.

Pa., Hazleton—City voted $500,000 bonds to grade, pave and lay sewers in various streets. J. Rough, city engr. Noted Sept. 4.

W. Va., Bridgeport—City voted $25,000 bonds to improve streets. T. Long, Clarksburg, engr.

W. Va., Grafton—Taylor Co. plans election to vote on $1,000,000 bonds to improve roads. J. A. Sincor, co. engr.

W. Va., Madison—Boone Co. plans election to vote on $146,000 bonds to grade and drain Class A Rd. up Spruce Creek to Clothier, and bridge across Spruce Creek, Washington Dist., also $142,000 bonds to grade and drain Class A Rd. near Fosten and Dist. Rd. down Little Coal River, Scott Dist. J. P. Blundon, Madison, engr.

North Carolina—State Highway Comn., Raleigh, plans to gravel 15 mi. road from Plymouth to Beaufort Co. lines, Washington Co., cost $80,000; 46 mi. from Jones to Lenoir Co. lines, Onslow Co., $225,000; 42 mi. Wilmington-Charlotte Highway, Robeson Co., $200,000. W. S. Fallis, state highway engr.

N. C., Albemarle—Stanley Co. plans to gravel 10 mi. road. W. S. Fallis, c/o State Highway Comn., Raleigh, engr.

N. C., Danbury—Stokes Co. plans to sand clay 6 mi. road. W. S. Fallis, c/o State Highway Comn., Raleigh, engr.

N. C., Dobson—Surry Co. plans to gravel 7 mi. road. W. S. Fallis, c/o State Highway Comn., Raleigh, engr.

N. C., Salisbury—Rowan Co. plans to hard surface 3 mi. and sand clay 7½ mi. roads. W. S. Fallis, c/o State Highway Comn., Raleigh, engr.

N. C., Warrenton—Warren Co. plans to gravel 6 mi. road. W. S. Fallis, c/o State Highway Comn., Raleigh, engr.

N. C., Wilson—Wilson Co. plans to gravel 8 mi. road. W. S. Fallis, c/o State Highway Comn., Raleigh, engr.

Ala., Birmingham—City plans to pave 13th Ave. S. from 20th to 21st St., cost, $6100; 14th Ave. S. from 20th to 21st St., $3400; 10th Ave. S. from 28th to 29th St., $3750.

Ala., Decatur—City Council passed resolution to pave Church, Railroad, Vine, Walnut, Cherry, Cain, Davis, Canal and Oak Sts. About $300,000.

Miss., Rolling Fork—Highway Comm. Dists. Nos. 3, 4 and 5, Sharkey Co., soon let contract improving 13.1 mi. Federal Aid Project No. 61, involving 1 acre clearing and grubbing, 78,132 cu.yd. embankment, 356 lin.ft. 18 in. and 114 lin.ft. 24 in. corrugated metal pipe, 207.8 cu.yd. class A and 40 cu.yd. class C concrete, 12,946 lb. reinforcing steel and 107,293 sq.yd. concrete paving. X. A. Kramer, c/o State Highway Dept., Jackson, engr.

Louisiana—State Highway Dept., Maison Blanche Annex, New Orleans, soon lets contract constructing 7.75 mi. Sect. A, Franklin-Thibodaux Highway, St. Mary Parish, 15.39 mi. Sect. A and 11.53 mi. Sect. B, Oberlin-Alexandria Highway, and 10.24 mi. Sect. C, Oberlin-Lake Charles Highway, Allen Parish. D. Buie, state highway engr.

Louisiana—State Highway Dept., Maison Blanche Annex, New Orleans, soon lets contract paving 8 mi. Sect. A, Lecompte-Forest Hill Rd. and 11.81 mi. Sect. B, Forest Hill-Allen parish line road.

O., Cincinnati—City plans to pave Bway., cost $74,400, Liberty St., $275,000, Main St., $37,200, Race St., $21,900, Baymiller St., $42,600, 2nd St., $129,000, all granite; Elm St., $109,600, Central Ave., $23,700, recut granite; McMillan St., $179,000, 4th St., $148,800, 7th St., $157,700, wood block, Madison Rd., $118,100, bitulithic or bitoslag, Hull St., $16,704, Bouinot St., $19,611, both 24 ft. wide, concrete, concrete curb and gutter. F. Krug, city engr.

O., Dayton—Montgomery Co. plans to pave 3 mi. Old Troy Pike; 2 mi. New Troy Pike; 4 mi. Covington Pike; 5 mi. S. Vem Pike; 3 mi. Germantown Pike; 3 mi. Lebanon Pike; 8 mi. Brandt-Bellefontaine Rd.; 16-30 ft. wide, brick, concrete or macadam. About $805,000. P. S. Bookwalter, co. surv.

O., Jefferson—Ashtabula Co. having specifications and estimates prepared paving 6.5 mi. Ashtabula-Austinburg Rd., monolithic brick, cost $150,000; also Richmond, Monroe and Pierpont Sects. of Conneaut-Youngstown Rd., 5 mi. each, monolithic brick or concrete; all 10 ft. wide. A. G. Bixler, co. engr.

Michigan—F. F. Rogers, state highway comr., Lansing, soon lets contract crushing, screening and piling 2485 cords of stone on Federal Aid Rd. No. 1, Sects. B, C and D, Shelby and Hart Twps., Oceana Co., also grading, shaping and surfacing with gravel, 1.543 mi. State Trunk Line No. 12-11 Sect. B, Sagola Twp., Dickinson Co., 16 ft. wide.

Michigan—State Highway Dept., Lansing, preparing plans grading, draining, shaping and surfacing with concrete 14 mi. Telegraph Rd. from Flat Rock to Michigan Ave., 18 ft. wide, Wayne Co.

Mich., Bad Axe—F. F. Rogers, c/o Huron Co. Rd. Comn., Co. Bldg., soon lets contract grading, shaping and surfacing 1 mi. State Trunk Line Rd. No. 19-6, between Meade and Hume Twps., 16 ft. wide, Huron Co. Alternate bids on stone gravel, bituminous macadam or concrete.

Mich., Detroit—Wayne Co. plans to grade, shape, drain and surface with 8 in. concete, 15 mi. Warren Ave. Rd. from River Rouge to Washtenaw Co. line on west, 15 mi. Belleville Rd. from Belleville south and east to Huron River and Monroe Co. line and 3 mi. Livernois Rd. from Fenkell Ave., Detroit to Oakland Co. line. Work will probably be done by day labor.

Mich., Gaylord—Rd. Comn. Otsego Co. soon lets contract grading, shaping, draining and surfacing 9.169 mi. State Trunk Line Rd. No. 18-4, Corinth and Livingston Twps., involving 86,000 sq.yd. gravel. About $90,000.

Mich., Traverse City—F. F. Rogers, c/o Co. Rd. Comn., Co. Bldg., soon lets contract grading, shaping, and surfacing 0.992 mi. State Trunk Line Rd. No. 42-5, Mayfield Twp., Grand Traverse Co., 24 ft. grade, 16 ft. surface, involving 9411 sq.yd. gravel, about $12,000.

Streets and Roads (Continued)

Wis., Dodgeville—Iowa Co. plans to grade Schaff Hill Rd., Mineral Point Twp., grading and draining Arena Twp., Blanchardville-Blue Mounds Rd., Brigham Twp., Clyde Twp., Dodgeville Twp., Eden Twp., Highland Twp., Mifflin Twp., Mineral Point Twp., Blanchardville-Blue Mounds Rd., Moscow Twp., Hatch Hill Rd., Pulaski Twp., Dodgeville-Hollandale Rd., Ridgeway Twp., Waldwick Twp., Wyoming Twp. and building Lavake Bridge, concrete, Linden Twp. About $23,751.

Wis., Eau Claire—City plans to grade, pave and curb 1320 ft. Garfield Ave. and Farwell St., 30 ft. wide. About $12,000. A. R. Garnick, city engr.

Wis., Eau Claire—City having plans prepared grading, paving, curbing and draining 2345 ft. Birch St. from Spring St. to Starr Ave., 30 ft. wide. About $24,800. A. R. Garnick, city engr.

Wis., Elkhorn—Walforth Co. plans to improve East Troy-Mukwonago Rd., 18 ft. wide, concrete, East Troy Twp., cost $17,119; Richmond-Millard Rd., gravel, $20,542.

Wis., Green Bay—Brow Co. voted $2,500,000 bonds to build following roads:—West De Pere-Green Bay Rd., cost, $100,000, Green Bay-Manitowoc Rd., $300,000, Greenleaf-De Pere Rd. to Calumet Co. line, $220,000, Green Bay-Algoma Rd., to Kewaunee Co. line, $210,000, Green Bay-Sturgeon Bay Rd., $60,000, Green Bay-Allouez Rd., $50,000, Green Bay-Shawano Rd., $350,000, Green Bay-Menomonie Rd., $125,000, De Pere-Dixon Rd., $75,000, Denmark-Fontenoy Rd., $10,000, all 16 ft. wide, concrete; State Rd., Bellevue Twp., to connect with Manitowoc and Dixon roads, $80,000, Military Rd., Howard and Pittsfield Twps., $50,000, Blake Rd., from De Pere to Wayside, $225,000, Dixon-Glenmore Rd., $15,000, Eaton Rd., to county line, $90,000, Humboldt Rd. from Cedar Creek to New Franken, $100,000, Bay Shore-Benderville Rd., $15,000, Sniderville-Wrightstown Rd., $40,000, Wrightstown-West Holland Rd., $60,000, Greenleaf-Askeaton Rd., $60,000, Wrightstown-Greenleaf-Lark Rd., $165,000, Shirley-Denmark Rd., $90,000, all 9 ft. wide, concrete.

Wis., Madison—City Counc.. plans to improve Elmside Blvd., Schiller Court, Virginia Terrace, Rugby Rd., Washington, University, Commonwealth and Keyes Aves., Division, La Follette, Waubesa, Lakeland, Jackson, Marquette, Center, Evergreen, Johnson, Jenifer, Spaight, Ingersoll, Rutledge, Park, Warren and 7th Sts., concrete and asphalt. About $406,895.

Wis., Manitowoc—Manitowoc Co. plans to grade and pave 4 mi. Manitowoc-Sheboygan Rd., 18 ft. wide, Newton Twp., involving 21,000 sq.yd. concrete, cost $132,000; 7.8 mi. Manitowoc-Two Rivers Rd., 18 ft. wide, involving 45,000 sq.yd. concrete, $54,000. F. Muth, co. engr.

Wis., Merrill—Lincoln Co. plans to grade Merrill-Medford Rd., Scott Twp., Merrill-Antigo Rd., Pine River Twp., Dudley-Rhinelander Rd., Harrison Twp., Rib Lake Rd., Corning Twp., Skanawan-Bass Lake Rd., Skanawan Twp., Tomahawk-Harrison Rd., King Twp., Tomahawk-Spirit Falls Rd., Bradley Twp., Spirit Falls-Tripoli Rd., Somo Twp. and Grand Father-Tomahawk Rd., Rock Falls Twp., grade and build bridges on Tomahawk-McCord Rd., Wilson Twp. and Spirit Falls-Tripoli Rd., Tomahawk Twp., build bridge and pave Trunk Line No. 10, concrete, Brock Twp., gravel Tomahawk-Bradley Rd., Bradley Twp., Dudley Rd., Merrill Twp., Tomahawk-Harrison Rd., Tomahawk Twp., Doering and Dudley Rds., Schley Twp., and Dudley Rd., Russell Twp., grade and gravel Dudley Rd., Merrill Twp. and Dudley Rd., Pine River Twp. About $96,375.

Wis., Phillips—Price Co. plans to gravel and ditch Phillips-Fifield Rd., Trunk Highways Nos. 13 and 14; grade and ditch Spirit Falls-Ogema Rd., Brannan Twp., Flambeau Rd., Elk Twp., Phillips-Kennan Rd., Georgetown Twp., Ogema-Spirit Rd., Hill Twp. About $16,659. B. M. Griffin, co. highway comr.

Wis., Sheboygan—City plans to grade and pave 1.1 mi. 12th St., 18 ft. wide, involving 7890 sq.yd. vitr. brick. About $12,500. C. U. Boley, city engr.

Wis., Sheboygan—Sheboygan Co. plans to grade and pave 7.8 mi. Lake Shore Rd. from here to Port Washington, 16 ft. wide, concrete, also build necessary bridges and culverts on same. Cost between $40,000 and $50,000. Private plans.

Wis., Sheboygan—Sheboygan Co. plans to grade and pave 2 mi. Lake Shore Rd., at south county line, 18 ft. wide, also build necessary culverts and bridges on same work, involving 50,000 sq.yd. concrete. About $120,000. G. W. Ubbelohde, c/o county highway comn., engr.

Wis., Wausau—Marathon Co. election Dec. 18, to vote on $4,250,000 bonds to improve various roads with concrete or gravel. J. H. Vogt, Court House, comr.

Ia., Clarion—Comrs. Wright Co. soon let contract grading and graveling 14.67 mi. highway, involving 76,858 cu.yd. earth excav., 36,679 cu.yd. gravel, 36,020 lin.ft. tiling and 10 tile intakes. J. K. Hilton, Clarion, engr.

Ia., Winfield—City having plans prepared paving 2 mi. various streets, 24 ft. wide, concrete. H. R. Green, 107 North 2nd St., Cedar Rapids, engr.

Minn., Faribault—Rice Co. having surveys made for grading and paving road between Faribault and Northfield, 18 ft. wide. About $420,000. F. W. Putman, 515 Ashland Ave., St. Paul, engr.

Minn., Luverne—City Council plans to pave 100 blocks, 18 ft. wide, asphalt, concrete and waterbound macadam. About $300,000. T. H. Johnson, 32nd and Myrtle Sts., Sioux City, Ia., engr.

Kan., Atchison—Atchison Co. having plans prepared grading and building concrete road on 9.38 mi. Parallel Whiteway, 18 ft. wide. About $400,000. R. D. Coleman, 418 North 7th St., engr.

Kan., Girard—Crawford Co. having plans prepared grading and paving 12 mi. Commercial Highway, 18 ft. wide, bituminous macadam, also building bridges and culverts on same. About $270,000. W. J. Arnold, Girard, engr.

Kan., Girard—Crawford Co. having plans prepared grading and paving 5 mi. Ringo-Edson Highway, 18 ft. wide, concrete or bituminous macadam, also building necessary bridges on same. About $270,000. W. J. Arnold, Girard, engr.

Neb., Central City—City receives bids about Jan. 1, for ½ mi. asphalt pavement, 25 ft wide. J. R. Moreaty, Grand Island, engr. About $10,000.

Neb., Cozard—City soon lets contract for 30,000 yd. 3 in. vitr. brick pavement on 5 in. concrete base. About $140,000. J. R. Moreaty, Grand Island, engr.

South Dakota—State Highway Comn., Pierre, plans to grade, gravel and drain 8.5 mi. Huron-De Smet Rd., Federal Aid Project No. 31, Beadle Co., involving 47,000 cu.yd. earth excav., 12,750 cu.yd. gravel, 950 lin.ft. corrugated culverts, 295 cu.yd. concrete for culverts and 22,000 lb. reinforcing steel, cost, $67,875; 11.1 mi. Madison-Howard Rd., Federal Aid Project No. 33, Miner Co., involving 50,000 cu.yd. earth excav., 1250 lin.ft. corrugated culverts, 16,650 cu.yd. gravel, 380 cu.yd. concrete for culverts, 30,000 lb. reinforcing steel, etc., $81,339.

Montana—State Highway Comn., Helena, plans to gravel surface 18 mi. Chinook-Hill Co. line Rd., cost $72,000. Blaine Co.; 12 mi. Bridger-Belfry Rd., $50,000, 13 mi. Red Lodge-Roberts Rd., $50,000, Carbon Co.; 45 mi. Yellowstone Trail Rd., $150,000, Fallon Co.; 6 mi. Libby Rd., $12,000, 32.5 mi. Whitefish Rd., $65,000, 11.5 mi. Pablo-Polson Rd., $23,000, Flathead Co.; 8.5 mi. Bearmount-Nimrod Rd., $50,470, 12.5 mi. Philipsburg-Maxville Rd., $40,800, Granite Co., 13 mi., Cardwell-Whitehall Rd., $75,000, 10 mi. Boulder-Butte Rd., $60,000, Jefferson Co.; 13 mi. Yellowstone-Glacier Bee Line Rd., $30,000, Meagher Co.; 17 mi. Choteau-Browning Rd., $292,000, Pondera Co.; 7.5 mi. Mildred-Ismay Rd., $22,000, Prairie Co.; 40 mi. Sidney-Manrock Rd., $80,000, 60 mi. Fairview-Poplar Rd., $120,000, Richland Co.; 48 mi. Yellowstone Trail, $120,000, Rosebud Co.; 11 mi. Perma-Dixon Rd., $30,000, 3.5 mi. Weeksville Rd., $42,000, 7.5 mi. Belknap-Furlong Rd., $24,000, 6.5 mi. Plains-Hot Springs Rd., $28,000, Sanders Co.; 10 mi. Stillwater Rd., $10,000, Stillwater Co.; 40 mi. Yellowstone Trail, $160,000, Sweetgrass Co.; 20 mi. North and South Highway, $40,000, 20 mi. East and West Highway, $40,000, Toole Co. Federal Government asked to appropraite toward cost. J. N. Edy, state highway engr.

Missouri—State Highway Dept., Jefferson City, plans to build 5.3 mi. Southern Highway from Emmett Ave. and Bway, Sedalia, to Sedalia Special 12 mi. Rd. Dist. Pettis Co., involving 49,852 sq.yd. bituminous macadam or 112,167 sq.yd. asphalt surfacing, 4629 sq.yd. macadam and 49,85[illegible] sq.yd. rein.-con. base, 28,042 lin.ft. grading, 900 cu.yd. stone, 35 cu.yd. concrete and 1000 lb. reinforcing steel, cost $60,760; 19 mi. Kings Highway from Sikeston to New Madrid, New Madrid Co., 183,040 sq.yd. gravel surfacing, 102,960 lin.ft. grading, 72.6 cu.yd. concrete, 892 ft. 18 in. vitr. clay culverts, 4389 cu.yd. ditching, 6 drainage wells, 28 extensions to old wells and 11,312 ft. laterals to wells, $191,098; 1.66 mi. Natl. Old Trails Rd., St. Chares Co., 15,591 sq.yd. 2½ in. bituminous macadam, 5179 sq.yd. reconstructed base, 8770 lin.ft. grading and 100 cu.yd. stone; $22,714.

Mo., St. Louis—Bd. Pub. Serv. plans to pave Bellefontaine Rd., 24 ft. wide, bituminous concrete on concrete base. About $15,000. C. E. Smith, city engr.

Mo., Troy—Lincoln Co. plans to pave, repair and reconstruct 50 mi. Mississippi River Scenic Highway and other roads, 24-30 ft. wide. About $980,000. Federal Government and State appropriated $180,000 toward project. A. W. Graham, Jefferson City, engr.

Arkansas—State Highway Dept., Little Rock, soon lets contract paving and draining 27.5 mi. road, Pulaski and Saline Counties. Lund & Hill, 527 Southern Trust Bldg., Little Rock, engrs.

Ark., Ft. Smith—Sebastian Co. Highway Comn. had plans prepared for 72.5 mi. road, **Greenwood and Ft. Smith Dists., 16 ft. wide, 25 ft. dump,** penetration asphalt. Cost **$1,425,178.**

Tex., Fredericksburg—Gillespie Co. having plans prepared gravel surfacing and draining 18.1 mi. highway from Fredericksburg to Blanco Co. line, 14 ft. wide, involving 10 acres clearing and grubbing, 18 mi. machine grading, 10,000 cu.yd. earth excav., 39½ tons structural steel, 11 cu.yd. plain concrete and 290 cu.yd. rein.-con. About $113,314. A. F. Mounsang, Fredericksburg, engr

Tex., Hillsboro—Hill Co. having plans prepared scarifiying, draining and gravel surfacing 12.82 mi. Highway No. 22, known as Peoria-Brandon Rd., 16 ft. wide, involving 50,000 cu.yd. earth and 8000 cu. yd. rock excav., 2000 lin.ft. guard fence, 30,566 lb. steel, 238 cu.yd. class "A" and 140 cu.yd. class "B" concrete, cost $145,371; gravel surfacing and draining 17 mi Highway No. 2-A, from here to Johnson Co. line, 18 ft. wide, involving 150,000 cu. yd. earth and 4000 cu.yd. rock excav., 202,365 lb. reinforcing steel, 4000 lin.ft. guard fence, 1141 cu.yd. class "A" and 1174 cu.yd class "B" concrete, $315,182. Bryant & Huffman, 211-217 Littlefield Bldg., Austin, engrs.

Tex., Kerrville—Kerr Co. voted $65,000 bonds to build Highways Nos. 27 and 41. L. Wallace, co. judge.

Tex., Liberty—Liberty Co. election Dec. 22, to vote on $1,664,000 bonds to build Highways Nos. 3 and 35 and laterals. H. O. Compton, Liberty, engr. Address, C. N. Smith, co. judge.

New Mexico—State Highway Comn., Santa Fe, plans to semi gravel surface 17½ mi. Sect. 2, Highway No. 5, Federal Aid Project No. 42, 20 ft. wide, between Magdalena and Datil Twps., Socorro Co. About $80,000. L. A. Gillett, state highway engr.

New Mexico—State Highway Comn., Santa Fe, rejected bids building 1.7 mi. Tijeras Canyon Co-operative Forest Aid Project, Bernalilo Co. L. A. Gillett, state highway engr. Noted Oct. 9.

Idaho, Moscow—Potlatch Highway Dist., Latah Co., voted $350,000 bonds to build and hard surface roads.

Wash., Chehalis—Lewis Co. plans to grade and pave 5 mi. Winlock-Cowlitz Prairie Rd., 18 ft. wide. About $138,524. E. C. Bechly, Chehalis, engr.

Streets and Roads (Continued)

Ore., Astoria—City soon receives bids paving Ocean Ave. to 1st St., Marion Ave. to 1st, 3rd and 5th Sts., concrete or bitulithic. About $10,000. G. T. McClean, Astoria, engr.

Ore., Gearhart—Gearhart Park Co. having preliminary plans prepared building road from beach to Clatsop Co. Rd., gravel or concrete, 24 ft. wide. Work will include grading and clearing. About $10,000. O. W. Taylor, mgr.

Cal., Long Beach—City soon lets contract grading and paving 2560 lin.ft. Magnolia Ave., 51 ft. wide, involving 112,911 sq.ft. 2 in. asphalt on 4 in. cement concrete base, 87 lin.ft. cement concrete curbing, 165 sq.ft. cement concrete guttering and 2447 sq.ft. cement concrete sidewalks. About $28,500. A. de Ruiz, city engr.

Cal., San Francisco—City plans to pave 1736 ft. Army St. between Evans Ave. and Iowa St., to include retaining wall. Work involves 25,200 sq.yd. concrete, 1500 cu. yd. earth excav. and 52 ton reinforcing bars. About $40,000. M. M. O'Shaughnessy, city engr.

N. B., St. John—City plans to improve various streets. Work involves 50,000 sq. yd. pavement.

BIDS DESIRED

N. Y., New York—Until Dec. 15, by M. F. Loughman, pres. Manhattan Boro., regulating and repaving with wood block on concrete foundation roadway in and between tracks of Lexington Ave. from 53rd to 59th Sts., 66th to 69th Sts., 72nd to 73rd Sts., north of 95th to north of 98th Sts.; with granite block on earth foundation roadway in and between tracks from 59th to 66th Sts., 69th to 72nd Sts., 73rd to 75th Sts.; on concrete foundation, from north boundary line of 79th St. to point 104 ft. more or less of 79th Sts., center line of 82nd St. to point 60 ft. more or less north of center line, from 83rd to 92nd Sts.; with sheet asphalt on concrete foundation, roadway between rails, from 75th to point 25 ft. more or less south of south boundary line of 79th St.; with sheet asphalt on granite block foundation, roadway in dummy from 75th St. to point 25 ft. more or less south of south boundary line of 79th St.; with sheet asphalt on concrete foundation roadway in and between tracks from point 25 ft. more or less south of south boundary line to north of north boundary line of 79th St.; also with sheet asphalt on concrete foundation roadway in and between tracks from 53rd St. to point 104 ft. more or less north of 79th St., center line of 82nd St. to point 60 ft. more or less north of center line, north of 83rd St. to south of 92nd St., north boundary line of 97th St. to north of 98th St.; with granite block on concrete foundation roadway in and between tracks north of 95th St. to north boundary line of 97th St.

Pa., Waynesburg—Until Dec. 20, by Comrs. Greene Co. paving 7980 lin.ft. Smith Creek Rd., Franklin Twp., 16 ft. wide, rein.-con. and vitr. brick. D. Six, comr.

Ala., Eutaw—Until Dec. 22, by Comrs. Greene Co., grading, graveling and draining 2¼ mi. road. B. B. Barnes, judge of probate.

Miss., Macon—Until Dec. 22, by Highway Comrs. of Supervs., Dist. No. 3, Noxubee Co., grading and surfacing 5.2 mi. Macon and Louisville Rd., involving 9000 yd. grading and 32,449 cu.yd. surfacing material. S. A. Wells, co. engr.

Miss., Natchez—Until Dec. 16, by Bd. Supervs. Adams Co., improving 3.6 mi. Federal Aid Project No. 80, involving 4.3 acres clearing and grubbing, 30,000 cu.yd. excav., 5700 cu.yd. gravel, 60 cu.yd. concrete, 30 lin.ft. culvert pipe. X. A. Kramer, c/o State Highway Dept., Jackson, engr.

Louisiana—Until Dec. 15, by State Highway Dept., Maison Blanche Annex, New Orleans, paving 14 mi. Sect. A 1 and 9 mi. Sect. A 2, Franklinton-Pearl River Highway, 11.97 mi. Franklinton-Mississippi State Line Highway, Washington Parish; 6.23 mi. Baton Rouge-New Orleans Highway, St. Charles Parish. D. Buie, state highway engr.

Ind., Greenfield—Until Dec. 26, by Comrs. Hancock Co., graveling, grading, and building sewers in 2¼ mi. Henry Hawkins et al Rd., Buck Creek Twp., 1 mi. John Bain et al Rd., Vernon Twp.; grading, building sewers and paving 1¼ mi. William Bade et al Rd., waterbound macadam, Buck Creek Twp.; grading, draining and paving, Earl R. Gibbs et al Rd., Brown Twp. and Franklin E. White et al Rd., Jackson Twp.; 1 course concrete graveling, grading and paving 2¾ mi. Henry W. Eikman et al Rd., Sugar Creek Twp. C. Bocne, Co. engr.

Mich., Muskegon—Until Dec. 15, by B. H. Tellman, city recdr., repaving 3000 sq.-yd. Western Ave., 2¼ in. asphaltic concrete on 8 in. concrete foundation. About $15,-000.

Wis., Wauwatosa—Until Dec. 26, by Bd. Pub. Wks., improving 8th Ave. from State St. to East Milwaukee Ave., involving 15,-000 to 25,000 cu.yd. earth grading. J. E. Lowther, city engr.

Minn., Duluth—Until Jan. 15, by J. A. Farrell, city comr., grading, surfacing and paving 6990 ft. Superior Ave. from 23rd Ave. east to 38th Ave., 45 ft. wide, asphalt on 6 in. concrete base. Work includes 13,-980 lin.ft. concrete curbing. About $187,-840. E. K. Coe, city engr.

Minn., Gaylord—Until Dec. 23, by F. Hoppenstedt, aud. Sibley Co., building 1 mi. State Rds. No. 6 and 8, Federal Aid Project No. 116, involving 68,000 cu.yd. excav., 2000 cu.yd. riprap, 1755 cu.yd. gravel surfacing and 130 ft. 25 and 30 in. portable culvert pipe.

Kan., Ft. Scott—Until Dec. 15, by Comrs. Bourbon Co., building 5.91 mi. Jefferson Highway, south to county lines, 16 ft. wide, 4 ft. dirt shoulders, rock bituminous macadam. About $140,000. B. Boyle, Ft. Scott, engr.

Kan., Frankfort—Until Dec. 18, by T. W Snodgrass, city clk., furnishing labor and materials building various streets, involving 9830 cu.yd. excav., 39,841 sq.yd. pavement, 21,307 lin.ft. 24 in. curb and gutter, 1010 lin.ft. 12 in. and 1400 lin.ft. 18 in. storm sewers, etc. Shockley Eng. Co., 740 Reserve Bank Bldg., Kansas City, Mo., engrs.

S. D., Rapid City—Until Dec. 22, by P. J Egan, city aud., paving 4.6 mi. streets, 18 ft. wide. Work involves 54,000 sq.yd. Portland concrete, asphaltic concrete, bitulithic, sheet asphalt or vitr. brick.

Mo., St. Louis—Until Dec. 22, by Bd. Pub. Serv., grading sidewalk spaces and paving Gannett St. from Morganford Rd. to Ridgewood Ave. Cost, brick, $29,600; asphalt, $27,350; asphaltic concrete, $24,-400; bitulithic, $25,800. C. E. Smith, city engr.

Mo., St. Louis—Until Dec. 19, by Bd. Pub. Serv., paving with vitr. brick and asphalt, building granite curbing, concrete guttering and granitoid sidewalk on Cabanne Ave., from Union Blvd. to Cabanne Pl.; Oakland Ave. from King's Highway to Skinker Rd.; Clayton Rd. from Skinker Rd. to city limits, Waterman Ave. from Skinker Rd. to Debalivere Ave.; Forest Park Blvd. from Grand to Newstead Aves.; Kingsbury Pl. from Skinker Rd. to Hamilton Ave. About $570,000. C. E. Smith, city engr.

Mo., St. Louis—Until Jan. 5, by Bd. Pub. Serv., paving Ellenwood Ave. from Morganford Rd. to Ridgewood Ave., and Russell Ave. from Bway. to 18th St., brick, cost $23,950 and $74,100 respectively; Douglas St. from river to Bway., wood block, $15,200; Northeast King's Highway from Euclid to West Florrissant Aves., asphalt, $125,750; all 30 ft. wide. C. E. Smith, city engr.

Mo., St. Louis—Until Jan. 15, by Bd. Pub. Serv., paving 1 block Whittier St. between Labadie and Ashland Sts., and 5 blocks Morganford Rd. between Chippewa St. and Fyler Ave., 24 ft. wide, vitr. brick, cost $14,550 and $75,050 respectively. C. E. Smith, city engr.

Mo., St. Louis—Until Jan. 17, by Bd. Pub. Serv., paving Page Blvd. between Vandeventer and Taylor Aves., brick, Compton Ave. between Chouteau and Park Aves., asphalt, both 24 ft. wide. About $91,500. C. E. Smith, city engr.

Mo., St .Louis—Until Jan. 28, by Bd. Pub. Serv., paving 9 blocks Kings Highway from Natural Bridge Rd. to Penrose St., 24 ft. wide, asphalt, granite curbing. About $126,000. C. E. Smith, city engr.

Mo., Versailles—Until Dec. 15, by J. L. Vaughan, engr. Morgan Co., paving roads, bituminous macadam on concrete base, and constructing several bridges. Bonds for $300,000 voted for project.

Cal., Ventura—Until Dec. 23rd, by Bd. Supervs. Ventura Co., paving 470,000 sq.ft. Vineyard Ave., near Oxnard Twp. and 180,000 ft. Nordhoff Rd. near Ojai Twp., concrete. L. E. Hallowell, clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Maine**—State Highway Comn., Augusta, let contract grading, draining and gravel surfacing 7.05 mi. river road, 16 ft. wide with 2½ ft. shoulders, Enfield Twp., involving 13,300 cu.yd. earth and 50 cu.yd. rock excav., 2450 cu.yd. borrow, 20,820 cu. yd. gravel, etc., to M. Seretto and W. D. Smith, 3 Tremont Row, Boston, Mass., $99,349.

★**Massachusetts**—State Highway Comn., Boston, let contract building 34,000 ft. road, 18 ft. wide, Littleton Twp., involving 98,400 gal. bituminous macadam, 17,400 cu.yd. earth and 1140 cu.yd. rock excav., 11,560 cu.yd. stone fill, and 7200 sq.ft. cribbing, to M. L. Carmarco, Lee, $192,664.

★**Mass., Worcester**—See "Buildings."

N. Y., Brooklyn—E. Riegelmann, boro. pres. received bids Dec. 5, regulating and paving with bituminous macadam, (a) East 13th St. from Ave. L to point 440 ft. on Ave. L, (b) paving with asphalt roadway of Ave. O from East 13th to East 5th Sts., (c) 81st St. from 6th Ave. to Ft. Hamilton Ave., from C. A. Myers, foot of Stagg St., (a) $3270; M. J. O'Hara, (a) $3496, J. Jennings, Belle Harbor, L. I., (a) $3934; Uvalde Asphalt Paving Co., 1 Bway., New York City, (b) $11,491, (c) $8332; Consolidated Asphalt Corp., 52 9th St., (b) $12,180, (c) $8470; Sicilian Asphalt Paving Co., 41 Park Row, New York City, (b) $12,240; (c) $8628.

★**N. Y., Buffalo**—City let contract to Rock Asphalt & Constr. Co., Morgan Bldg., paving Bidwell Parkway from Colonial Circle to Soldiers Pl., 31 ft. wide, involving 5500 sq.yd. asphalt and concrete on concrete base, etc., also Abby St., 28 ft. wide, 5680 sq.qd. asphalt on 6 in. concrete base, $27,688 and $28,480 respectively.

N. Y., New York—Acting President, Manhattan Boro., received lowest 3 bids Nov. 25, granite paving 34th St., etc., from Asphalt Constr. Co., 1297 Madison Ave., $21,830; **Burnside** Constr. Co., 270 Burnside Ave., $22,462; W. J. Fitzgerald, 547 West 45th St., $22,873; regulating and grading, etc., 34th St., from Cleveland Trinidad Paving Co., Flushing Ave., Brooklyn, $17,762; Sicilian Asphalt Paving Co., 41 Park Row, $21,094; J. L. Brustar, Harlem River and 150th St., $21,182.

New Jersey—State Highway Dept., Broad St. Bank Bldg., Trenton, received bids Nov. 26, improving 5.5 mi. Browns Mills-Lakehurst Rd., 20 ft. wide, Burlington Co., involving 13,170 yd. gravel surface, from Crammer & Parker, Mayetta, $33,885, A. W. Hopkins, Hornerstown, $36,720, Sutton & Corson, 9th and Simpson Sts., Ocean City, $37,390. Noted Sept. 4.

★**Md., Rockville**—Montgomery Co. let contracts to H. F. Voigt Co., 715 14th St., N. W., Wash., D. C., improving Brown's Lane, cost $12,000; 4/5 mi. Derwood-Redland Pike, $12,000.

O., Dayton—City and Montgomery Co. received only bid paving West 3rd St. from Baker St. to corporation line, 36 ft. wide, brick on concrete base, from Finke Eng. Co., 15 South St. Clair St. About $48,000.

★**Indiana**—State Highway Comn., Indianapolis, let contract building 5.574 mi. road between Osgood and Versailles counties, to Central States Constr. Co., Logansport. $223,157.

★**Mich., Hillsdale**—Hillsdale Co. let contracts grading and surfacing with class "B" gravel 2 mi. Assessment Dist. Rd. No. 43, Hillsdale Twp., 16 ft. wide, 24 ft. grade, to Bishop & Rowlson, Hillsdale, $22,054.

★**Mich., Midland**—Midland Co. Rd. Comn. let contract grading, shaping and surfacing with class "B" gravel 5.085 mi. Assessment Dist. Rd. No. 168, 12 ft. wide, Larkin Twp., to H. A. Crane, Midland, $70,873.

Ill., Chicago—Bd. Local Impvts. received bids Nov. 10, paving (a) East 102nd St. from Ave. N to Indianapolis Ave.

(b) Eddy and Cornelia Sts. from North Cicero to North Long Aves., Newport St. from North Laramie to North Long Aves., Laverne St., Laramie Ave. and Lockwood St. from Roscoe to Addison Sts.

(c) Alley between School, Melrose, Paulina Sts., and Ravenswood Ave.

Streets and Roads (Continued)

(d) Alley between Hamburg St., Garfield Blvd., Larrabee and Orchard Sts.
(e) Alley between West 57th, West 58th, South Green and South Peoria Sts.
(f) Alley between Rice St., Chicago Ave., Robey St. and Hoyne Ave., from Calumet Coal & Teaming Co., 9022 Commercial Ave., (a) $28,081; Contg. & Material Co., 3219 South Michigan Ave., (a) $30,688, (d) $4185, (e) $3087 Farr Bros. Co., 356 West 111th St., (a) $29,834; White Paving Co., 17 North La Salle St., (b) $177,508; R. F. Conway Co., 133 West Washington St., (b) $178,026; Amer. Asphalt Paving Co., 133 West Washington St., (b) $179,184; J. A. Ross & Co., 4561 Armitage Ave., (c) $3169, (f) $5167; J. Dillon & Co., 179 West Washington St., (e) $3425, (e) $3120, (f) $5271; Central Paving Co., 179 West Washington St., (c) $3459, (d) 4129, (e) $3153; P. J. O'Brien & Co., 29 South La Salle St., (d) $4202, (f) $5153. Noted Nov. 6 E. B.

★**Mo., St. Louis**—Bd. Pub. Serv. let contract widening from 24 to 100 ft. and resurfacing 1 mi. Washington Ave. from Jefferson to Teresa Aves., involving vitr. brick paving and 5280 lin.ft. curbing and guttering, to F. A. Stiers, 4512 Enright St., $236,583.

Tex., Boerne—Kendall Co. received bids Nov. 10, gravel surfacing with bituminous topping 5.788 mi. Highway No. 9, from here to Bexar Co. line, 16 ft. wide, from Finley Method Co., 703-4 Stewart Bldg., Houston, $38,397; Uvalde Rock Asphalt Co., Swearingen Bldg., San Antonio, $44,752. Work involves 2 acres clearing and grubbing, 4.77 mi. machine grader work and 1801 cu. yd. unclassified earth excav. Noted Sept. 11.

★**Tex., Ft. Worth**—City let contracts to Genl. Eng. & Supply Co., Burton Bldg., grading and paving 2355 ft. Calhoun St. from East Front to 9th Sts., 40 ft. wide, involving 10,867 sq.yd. vertical fibre brick and 5000 lin.ft. concrete gutter, $33,138; 4500 ft. Commerce St. between East Front and Weatherford Sts., 50 ft. wide, involving 29,593 sq.yd. vertical fibre brick and 10,000 lin.ft. concrete gutter, $104,939; 1000 ft. Daggett St. from Main to Taylor Sts., 40 ft. wide, involving 2570 sq.yd. vertical fibre brick, 2500 lin.ft. concrete gutter and 550 cu.yd. earth excav., $10,000. Noted Feb. 6.

★**Tex., Hemphill**—Comrs. Sabine Co. let contract grading, gravel surfacing and draining 13.69 mi. Highway No. 8A, from here to Geneva, 15 ft. wide, to Smith Bros., Crockett, $118,374. Work involves 48.9 acres clearing and grubbing, 43,406 lb. reinforcing steel, 26,750 cu.yd. surfacing material, 517 sq.yd. class A concrete, 51,663 cu.yd. earth excav., 325 cu.yd. street and 250 cu.yd. rock excav. Noted Sept. 25.

Tex., McKinney—Collin Co. received bids gravel surfacing and draining 24.95 mi. Highway No. 6 between Grayson and Dallas Counties, 16 ft. wide, from F. D. Perkins, McKinney, $228,562; Womack Constr. Co., Sherman, $250,223; McElwrath & Rogers, Corsicana, $264,575. Work involves 51.8 acres clearing and grubbing, 3396 sq.yd. concrete pavement, 30,018 cu.yd. earth and 1000 cu.yd. loose rock excav., 29,491 lb. reinforcing steel, 239 cu.yd. Class "A" and 821 cu.yd. class "B" concrete. Noted Aug. 28.

★**Tex., Palo Pinto**—Comrs. Palo Pinto Co. let contract building 3 mi. dirt road and grading 2 mi. Highway No. 1, 16 ft. wide, to Tibbett & Tibbett & Butler Bros., Mineral Wells, $34,625. Work involves 8 acres clearing and grubbing, 903 cu.yd. rock and 25,482 cu.yd. unclassified earth excav., 32,167 lb. steel, 283 sq.yd. class A and 347 sq.yd. class B concrete.

Tex., San Angelo—Comrs. Tom Green Co. received bids Nov. 16, building (a) 13.96 mi. Highway No. 4, from here to Schleicher Co. line, 15 ft. wide, involving 56.3 acre clearing and grubbing, 49,510 cu.yd. unclassified earth, 3378 cu.yd. rock and 407 cu.yd. street excav., 88,525 gal. 2 course asphaltic treatment, 78,267 lb. reinforcing steel, 917 sq.yd. class A, 510 sq.yd. class B and 507 sq.yd. concrete pavement, 49,180 cu.yd. crushed stone, (b) building gravel surfaced road on same, involving 49,510 cu.yd. unclassified earth excav., 49,180 cu.yd. crushed stone and 56.32 acres clearing and grubbing, (does not include asphaltic treatment or drainage structures), (c) building rein.-con. drainage structures on same, involving 407 cu.yd. structural excav., 78,267 lb. reinforcing steel, 52 lin.ft. 24 in. c.i. pipe, 691 lin.ft. bridge walling type, 917 sq.yd. class A, 510 sq.yd. class B and 507 sq.yd. concrete pavement, from Montgomery, Kuykendall & Thompson, San Antonio, (a) $377,842, (b) $258,763; Harrison, Potts & Prentice, Waco, (a) $420,918, (b) $310,904; Womack Constr. Co., Sherman, (a) $449,438, (b) $343,546, (c) $65,958; H. H. Hicks, Eldorado, (c) $60,485; McCall-Moore Eng. Co., 308-309 Amicable Bldg., Waco, (c) $62,392.

★**Idaho, Twin Falls**—City let contract paving various streets, bitulithic, to Warren Constr. Co., Journal Bldg., Portland, Ore., $733,628.

★**Wash., Bremerton**—City let contract grading and paving 4th Ave., concrete, to Bulette & Badolato, Seattle, $15,265.

★**Wash., Port Angeles**—City let contract grading, paving with concrete and building concrete curbs on 8th St. from Blvd. to Lincoln St., to Dahlberg & Olson, Port Angeles, $73,578.

★**Wash., Seattle**—City let contract paving West McGraw St., et al, involving 1890 sq. yd. 6 in. concrete paving and 1010 lin.ft. type "A" armored concrete curbs, to F. Agostino, 1335 21st St., $16,334.

Wash., Tacoma—Pierce Co. received lowest bid Nov. 28, clearing and grading 2 mi. East End Drive, involving 22,164 cu.yd. excav., from H. Pederson, Alaska Bldg., Seattle, $28,695.

★**Wash., Tacoma**—Pierce Co. let contract grading and paving 2.26 mi. Eatonville Highway, involving 21,600 sq.yd. concrete, 26,623 lin.ft. concrete curbing and 19,795 cu.yd. excav., to W. Hummon, Tacoma, cost $75,543; 12 mi. Spanway-McKenna Rd., 123,946 sq.yd. concrete, 137,895 lin.ft. concrete curbing and 30,780 cu.yd. earth excav., to Independent Asphalt Paving Co., 18th St. and Dock, $249,895; 4.5 mi. Gravelly Lake Rd., 12,041 sq.yd. concrete, 12,750 lin.ft. concrete curbing and 7752 cu.yd. excav., to J. Warter, Tacoma, $98,751.

★**Wash., Wenatchee**—City let contract grading, surfacing with crushed rock, curbing and building sidewalks on Yakima St. from Mission to Alaska Sts., to Burke & Songfelder, Wenatchee, $36,023.

★**Ore., The Dalles**—City let contract grading and surfacing 9 blocks of Elm Ave. and West 8th St., concrete, to United Contg. Co., Northwest Bank Bldg., Portland, $39,168.

Cal., Long Beach—City received bids grading, paving, and installing sanitary sewers in 4th St., involving 153,450 sq.yd. 5 in. concrete, 3222 lin.ft. cement concrete curbing, 9919 sq.ft. cement concrete sidewalks, 2749 lin.ft. vitr. clay pipe, etc., from Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, $45,000, D. L. Gaskill, Long Beach, $47,000.

★**Cal., Los Angeles**—Bd. Supervs. Los Angeles Co. let contract paving 1.01 mi. Cypress Ave., Rd. Impvt. Dist. No. 142, near Covina, to Fleming Constr. Co., 105 North Park Ave., Pomona, $14,500.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co. received bids improving 2.057 mi. North Pomona Blvd., Rd. Impvt. Dist. No. 146, from Rogers Bros. Co., 350 Merrick St., $86,400, Fleming Constr. Co., Pomona, $92,000. Work involves 17,375 cu. yd. earth excav., 33,905 sq.yd. 5 in. concrete paving, 10,864 lin. ft. shaping roadbed, 12,560 lin.ft. curbing, 760 cu.yd. class "A" concrete for drain, 12,262 lb. reinforcing steel and 412 ft. corrugated iron pipe.

★**Cal., Los Angeles**—City let contract improving Washington St., to G. H. Oswald, 405 O. T. Johnson Bldg., involving 316,316 sq.ft. grading at $0.03 per sq.ft. 316,316 sq.ft. asphalt paving $0.223. 9464 sq.ft. concrete, guttering, $0.28, 4280 sq.ft. granite block guttering, $0.50, 57 ft. cement curbing, $0.60, 383 sq.ft. cement walks $0.18, house connection sewers, $1.30, storm drain, $5000, total, $92,228; Mayberry St., to M. S. Cummings, 1302 West 22nd St., 63,144 sq. ft. grading, oiling and rolling, $0.15½, 4913 ft. cement curbing $0.56, 21,441 sq. ft. cement walks, $0.18, 2 storm drains, $700, post and chain railings, $500, total, $19,946.

★**Cal., San Francisco**—City let contract curbing, paving and guttering 27th, 28th, 29th, 30th, 31st, 32nd, 33rd and 34th Sts. between Taraval and Ulloa Sts., involving 18,489 sq.yd. asphalt, 933 sq.yd. vertical fibre, 9600 lin.ft. concrete curbing, 5180 sq.ft. guttering and 5945 cu.yd. earth excav., to Fay Impvt. Co., 758 Phelan Bldg., $64,775.

★**Cal., Santa Barbara**—City let contract paving Santa Barbara and Arrellaga Sts., involving 4 in. concrete base, 1½ and 5½ in. Warrenite surface, cement curbs and gutters, and 6 in. house connection sewers, to Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, $19,772.

Railways

PROPOSED WORK

North Carolina—East Caroline [illegible] Terminal Ave., Tarboro, plans to [illegible] short line railroad from here towards [illegible] fax. About $100,000. H. C. Bridges, [illegible] boro, pres. and treas.

Excavation and Dredging

PROPOSED WORK

Mont., Harlowton—Irrigation—Harlowton Irrigation Dist. plans to build system to irrigate 6000 acres. About $10,000. A. Renshaw, Roundup, engr.

Wash., Yakima—Drainage—Yakima Co. plans to build drainage ditch along Benton Co. line, cost $40,000; also ditch near Sunnyside, $50,000. Work involves excavation and concrete lining. T. Mac Cartney, Eugene, Ore., engr.

Ore., Grants Pass—Irrigation—Grants Pass Irrigation Co. plans to install 18 in. centrifugal pump in ditch, 33 ft. above sea level, driven by 125 h. p. electric motor. G. A. Hamilton, secy.

B. C., New Westminster—Reclamation—Provincial Government, New Westminster, having preliminary plans prepared for reclamation of 30,000 acres in Sumas Lake Dist. About $3,000,000. E. D. Barrow, New Westminster, minister of agriculture.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Fairport**—Excavation—E. S. Walsh, supt. pub. wks., Capitol, Albany, let contract completing prism excav. between here and King's Bend, Contr. 189, to Lathrop, Shea & Henwood Co., 428 Ellicott Sq., Buffalo. About $30,260. Noted Nov. 6, E. B.

N. Y., New York—Dredging—Dept. of Docks, Battery Pl., received lowest 3 bids Dec. 1, dredging North and East Rivers, from New Jersey Shipbuilding & Dredging Co., 50 Broad St., $47,885; Morris & Cummings, 17 State St., $48,068; H. DuBois Sons Co., 17 State St., $54,361.

★**Mont., Forsyth**—Ditch—Hammond Irrigation Co. let contract building 6 mi. ditch and siphon, involving 25,000 cu.yd. excav., to Schleuter Bros., Miles City, $11,250.

★**Cal., Calexico**—Levee—Imperial Irrigation Dist., El Centro, let contract raising 15 mi. Volcano Lake levee in lower California, south east of Calexico, involving 120,000 cu.yd. earthwork, to Crowley & Sherer, Pacific Electric Bldg., Los Angeles. About $87,000.

Industrial Works

PROPOSED WORK

Me., Augusta—Edwards Mfg. Co., Water St., having plans prepared by Lockwood Greene & Co., archts. and engrs., 60 Federal St., Boston, Mass., for 6 story rein.-con. storehouse. About $100,000.

Mass., Boston—H. L. Hildreth Co., 67 Batterymarch St., having plans prepared by J. R. Worcester & Co., engrs., 79 Milk St., for altering and building 2 story, 60 x 180 ft., brick addition.

Mass., Cambridge—C. T. Main, engr., 201 Devonshire St., Boston, soon lets contract building 2 story, 86 x 134 ft., brick, concrete and steel, boiler house, concrete flooring and foundation, for Lever Bros. Co., 176 Bway.

Mass., East Boston (Boston P. O.)—Boston & Lockport Block Co., 100 Condor St., soon receives bids building 2 story, 80 x 245 ft., brick and timber factory, concrete foundation. H. F. Bryant, 334 Washington St., Brookline, engr.

Mass., Medford—See "Buildings."

Mass., Medford (Boston P. O.)—Amer. Radio & Research Corp., Medford Hillside, soon receives bids building 1 and 2 story, 140 x 200 ft., brick and rein.-con. factory, concrete flooring and foundation. About $90,000. H. F. Bryant, 334 Washington St., Brookline, engr.

Mass., New Bedford—Wamsutta Mills, Wamsutta St., soon receives bids building three 3 story, 20 x 20 ft. brick lavatory towers, concrete foundation. About $25,000. Private plans.

Industrial Works (Continued)

Mass., Plymouth—Plymouth Buick Co. plans to build 1 story, 80 x 175 ft., rein.-con. garage and service station, rein.-con. flooring, on Sandwich St. About $65,000.

Mass., Roxbury—W. H. Lewis, 20 Providence St., Worcester, having plans prepared by J. A. Tuck, archt., 108 Intervale St., for 2 story, rein.-con. garage, rein.-con. flooring, concrete foundation, on Washington and Circuit Sts., here. About $25,000.

Mass., Worcester—Franklin Motor Car Co., 3 King St., having plans prepared by J. Rice, archt., 306 Main St., for 1 story, brick, concrete and hollow tile garage, sales and service station, concrete flooring and foundation. About $35,000.

R. I., Shannock—Columbia Narrow Fabric Co. plans to build brick and mill construction addition to mill. About $50,000.

Conn., Danielson—Goodyear Cotton Mills, Inc., plans to build 3 story, 146 x 366 ft. factory.

Conn., South Norwalk—J. C. Schaeffler, archt. and engr., 40 West 32nd St., New York City, preparing plans for brick, steel and concrete factory, rein.-con. flooring, concrete foundation, here. About $150,000. Owner's name withheld.

Conn., Thomaston—Seth Thomas Clock Co., Elm St., having plans prepared by Lockwood, Greene & Co., archts., and engrs., 60 Federal St., Boston, Mass., for 5 story, rein.-con. addition to plant.

Conn., Waterbury—E. E. Benedict, archt., 51 Leavenworth St., soon receives bids building 1 and 2 story, 72 x 110 ft., brick, concrete and steel garage and sales plant, rein.-con. flooring, rock foundation, for Bradford Auto Sales Co., 476 Meadow St. About $25,000.

N. Y., Bath—Bd. Trustees plans to enlarge and equip electric light plant. About $35,000. J. W. Taggart, clk.

N. Y., Churchville—Village had plans prepared by F. S. Tracy, engr., Middleport, for power plant. Election soon to vote on $26,000 bonds for project.

N. Y., Long Island City—C. E. Shepard, 311 Hudson St., New York City, soon lets contract building 2 story, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Van Alst Ave., here. About $250,000. H. Balcom, 10 East 47th St., New York City, archt. and engr.

N. Y., Mineola—Knickerbocker Ice Co., 1480 Bway., New York City, soon lets contract building 1 story, rein.-con. and steel plant, rein.-con. flooring, concrete foundation, here. About $110,000. W. Mortensen, 209 West 76th St., New York City, archt. and engr.

N. Y., New York—See "Buildings."

N. Y., New York — Advance Novelty Candy Mfg. Co., 511 East 72nd St., having plans prepared by Haven & Crosby, archts. and engrs., 220 Devonshire St., Boston, for 5 story, 100 x 225 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on 138th St. and Willow Ave. About $500,000.

N. Y., New York—E. J. Lang, archt. and engr., 477 5th Ave., soon lets contract altering brick and steel factory, rein.-con. flooring, at 244 East 52nd St., for E. C. DeWitt, 212 5th Ave. About $50,000.

N. Y., New York—B. W. Levitan, archt. and engr., 7 West 45th St., preparing plans for 2 story, brick and steel garage, rein.-con. flooring, concrete foundation, on Hawkstone Ave. About $70,000. Owner's name withheld.

N. Y., New York—Zipkes, Wolff & Kudroff, archts. and engrs., 25 West 42nd St., receive bids about Dec. 20, altering 6 story, brick, steel and rein.-con. factory, rein.-con. flooring, on Broome St., for Majestic Mills Paper Co., 464 Broome St. About $25,000.

N. Y., New York—E. Wilbur, archt. and engr., 507 5th Ave., preparing plans for 3 story, 50 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation. About $35,000. Owner's name withheld.

N. Y., Peekskill—Baron de Hirsch School, 222 East 64th St., New York City, having plans prepared by E. I. Shire, archt. and engr., 373 4th Ave., New York City, for 1 story, rein.-con. and steel, power house, rein.-con. flooring, concrete foundation. About $150,000.

N. J., Asbury Park—Rydon Tire & Rubber Co., c/o E. A. Arend, archt., 105 West 40th St., New York City, soon lets contract building brick and steel factory, rein.-con. flooring, concrete foundation. About $100,000.

N. J., Jersey City—Des Lauriers Column Mould Co., Woolworth Bldg., New York City, having plans prepared by Funk & Wilcox, archts., Old South Bldg., Boston, for 8 story, 100 x 200 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, here. About $400,000.

N. J., Jersey City—Federal Shipbuilding Co., Kearny Meadows, Newark, plans to build addition to their plant, here, to consist of new corrugated iron warehouse. About $59,500.

N. J., Newark—W. Lehman, archt., 738 Broad St., soon lets contract building 2 story, brick and rein.-con. garage, on Plane and Eagle Sts., for Roth & Co., 45 Market St. About $100,000.

Pa., Altoona—Altoona Overland Co., 900 Green Ave., plans to build 4 story, 50 x 133 ft., rein.-con. garage, salesroom and repair shop, at 814-16 Chestnut Ave. About $50,000. Architect not selected.

Pa., Hazleton—Hazleton Silk Throwing Co. plans to build 1 story, 35 x 60 ft., brick and timber factory, rein.-con. flooring, rock foundation. About $50,000. Architect not selected.

Pa., Johnstown—Turin Valley Motor Co. plans to build 3 story, 66 x 160 ft., rein.-con. brick and steel, garage and salesroom, at 206 Main St. About $50,000. Architect not selected.

Pa., Milton—Shippers Car Line Co., 4th St., purchased 25 acre site, and plans to build new plant, to include storage yards. Initial cost, $70,000. R. W. Moffett, resident engr.

Pa., Phila.—E. H. Yardley, archt., 1713 Sansom St., preparing plans for 5 story, 75 x 100 ft. rein.-con., brick and terra cotta, service building, on Broad and Girard Sts. Cost to exceed $50,000. Owner's name withheld.

Md., Baltimore—Dewitz & Webb, archts., 232 St. Paul St., preparing plans for 1 story, 60 x 350 ft., concrete, brick and steel foundry, rein.-con. flooring, concrete foundation, in northeastern section of city. About $100,000. Owner's name withheld.

Md., Baltimore—Harper & Bros., Franklin Sq., New York City, plan to build printing and bookbinding plant here, including workmen's houses, etc. Initial cost, $1,000,000.

Md., Baltimore — Terminal Warehouse Co., Davis and Pleasant Sts., having plans prepared by Owens & Sisco, archts., 1605 Continental Bldg., for 6 story, 120 x 600 ft., rein.-con. warehouse, rein.-con. flooring, concrete foundation, on Boston St. near Clinton St. About $300,000. H. F. Dolleman, 507 North Charles St., engr.

Md., Cumberland—Merchants' Ice & Cold Storage Co., plans to construct 7 story cold storage building. About $80,000.

Tenn., Memphis—Sugar Products Co., 16 Exch. Pl., New York City, plans to construct molasses storage building, here, to house 500,000 gal. tank, power house, etc. Cost to exceed $50,000. Architect not selected.

O., Ashtabula—City plans to construct new buildings and install electrical machinery, at Municipal Lighting Plant. About $50,000. R. N. Case, Ashtabula, engr.

O., Cleveland—Detroit & Cleveland Navigation Co., Lake Front at foot East 9th St., plans to build 1 story, 300 x 720 ft., rein.-con., steel and brick warehouse, rein.-con. flooring, concrete foundation, also extend pier. About $300,000. Private plans.

O., Cleveland—L. M. Axle Co., 247 Colonial Arcade, plans to build 2 story, 90 x 210 ft., concrete, steel and brick factory, rein.-con. flooring, concrete and brick foundation, on East 49th St. and Newburgh & South Shore R. R. About $100,000. H. E. Shimmen, 2031 Euclid Ave., archt.

O., Dayton—Domestic Eng. Co., Taylor St., plans to build 6 story, 80 x 300 ft., rein.-con. and steel factory, rein-con. flooring, concrete foundation, on Webster St. About $200,000. Schenk & Williams, Mutual Home Bldg., archts.

O., Dayton—Standard Register Co., Albany St., plans to build 1 and 2 story, 80 x 100 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on Albany St. About $35,000. Architect not selected.

O., Dayton—Stanley Mfg. Co., Cannon St., plans to build 3 story, 40 x 80 ft., rein.-con. factory, rein.-con. flooring, concrete foundation. About $25,000. Frank Hill Smith Co., Inc., 1035 Reibold Bldg., archts.

O., Elyria—Winner Cord Tire & Rubber Co., 702 Natl. City Bldg., Cleveland, plans to build 3 story, concrete, steel and brick factory, rein.-con. flooring, concrete foundation, here. About $300,000. Engineer not selected.

Ind., Indianapolis—Dean Steam Pump Wks., 323 West 10th St., plans to build 2 story, brick and steel machine shop, rein-con. flooring, concrete foundation. About $25,000. C. Brossman, 1503 Merchants Bank Bldg., engr.

Ind., Indianapolis—Vonnegut Mchy. Co., 43 South Meridian St., had plans prepared by Vonnegut, Bohn & Hueller, archts., Indiana Trust Bldg., for 2 story, 95 x 300 ft. rein.-con., brick and steel warehouse, rein.-con. flooring, at 43 South Meridian St. About $200,000.

Mich., Detroit—Buhl Sons Co., 103 West Woodbridge St., plans to build 5 story, brick, rein.-con. and steel warehouse, rein.-con. floooring, concrete foundation, at foot of Adair St. About $60,000. J. Scott & Co., 2326 Dime Bank Bldg., archts.

Mich., Flint—Van Leyen, Schilling & Keough, archts. and engrs., 201 Walsh Bldg. preparing plans for 1 story, 30 x 248 ft. rein.-con. storage plant, rein.-con. flooring, concrete foundation, on Industrial Ave. About $35,000. Owner's name withheld.

Mich., Jackson—Sparks-Withington Co., North St., having plans prepared by Withington-Roberts & Wright Co., archts., Swetland Bldg., Cleveland, building 4 story, 100 x 300 ft., rein.-con., brick and steel plant, rein.-con. flooring, concrete foundation, here. About $200,000.

Ill., Chicago — Arabol Mfg. Co., 100 William St., New York City, having plans prepared by A. Smith, archt. and engr., 7422 Parnell Ave., for brick and steel factory, rein.-con. flooring, concrete foundation. About $100,000.

Wis., Green Bay—J. Hoberg Paper Co., Elm St., plans to build 4 story, 60 x 250 ft. rein.-con. and steel mill, rein.-con. flooring, brick foundation, on 12th and Main Sts. About $250,000. Architect not selected.

Wis., Greenwood—Blum Bros. purchased site and plans to build 3 story, 60 x 200 ft. brick, rein.-con. and steel factory, brick foundation, on Main St. About $50,000. Architect not selected.

Wis., Milwaukee—W. S. Seaman Co., 480 Virginia St., plans to build 1st unit of plant, 6 story, 50 x 70 ft. and 100 x 400 ft., brick, concrete and steel, probably rein.-con. flooring, concrete foundation, on Port Washington Rd. About $500,000. Engineer and architect not decided, may be private.

Wis., Milwaukee—Walsh Harness Co., 425 East Water St., having plans prepared by M. Tullgren & Sons, archts. and engrs., 425 East Water St., for 1 story, 50 x 200 ft. brick and mill construction factory, concrete foundation, on Keefe Ave. About $60,000.

Wis., Tomah—Tomah Rubber Wks., c/o L. Hofmeister, 176 16th St., Milwaukee, had plans prepared for 2 story, 96 x 100 ft. rein.-con. and brick factory, rein.-con. flooring, concrete foundation. About $45,000. Private plans.

Minn., Minneapolis—C. L. Kinport, archt., Andrus Bldg., soon lets contract building 2 story, 100 x 120 ft., rein.-con. and brick garage, on Lincoln and Aldrich Aves., S., for Harris Realty Co., New England Bldg. About $52,000.

Minn., Minneapolis—Northwestern Glass Co., 219 2nd St., N., plans to build 4 story, 66 x 162 ft., rein.-con. and brick addition to factory, on 2nd Ave. and 2nd St. N. About $100,000. Bertrand & Chamberlain, Northwestern Bank Bldg., archts.

Minn., New Ulm—City plans to build 90 x 90 ft. power plant. About $50,000. A. J. Mueller, supt. power plant.

Minn., Rices Point (Duluth P. O.)—Northern Pacific R.R., St. Paul, preparing plans for 5 freight warehouses and rearrangement of trackage in yards, here. About $500,000. W. H. Strachan, Duluth, div. supt.

Kan., St. Francis—City having plans prepared by Henningson Eng. Co., engrs., 12th and Harney Sts., Omaha, Neb. for new electric light plant. Bonds for $55,000 voted for project.

Industrial Works (Continued)

Kan., Wichita — Emerson-Brantingham Co., 218 South Wichita St., plans to build 4 story, 120 x 264 ft., brick warehouse and office. About $150,000. Architect not selected.

Neb., Omaha—Baker Ice Machine Co., c/o J. L. Baker, 19th and Nicholas Sts., plans to build 2 story, 140 x 400 ft. factory and 140 x 155 ft. office, brick and steel, rein.-con. flooring, concrete foundation. Cost between $350,000 and $400,000. Architect not selected.

N. D., Grand Forks—Industrial Comn. of North Dakota, Bismarck, having preliminary plans prepared by C. L. Pillsbury Co., engrs., 805 Metropolitan Life Bldg., Minneapolis, constructing flour mill, 2000 to 3000 bbl. daily capacity, 1,500,000 bu. capacity elevator and 8 story, 40 x 160 ft. office building, concrete and mill construction. About $1,500,000.

Mo., St. Louis—Amer. Bakers Machy. Co., Clinton and 9th Sts., preparing plans building 2 story, 100 x 300 ft., concrete and brick factory, rock foundation, on Kings Highway. About $75,000.

Mo., St. Louis—Southern Car Wheel Co., Ry. Exch. Bldg., plans to build 1 and 2 story, 120 x 135 ft., concrete, steel and brick factory, rein.-con. flooring, rock foundation, on Euclid Ave. and St. Louis Belt & Terminal R.R. About $400,000. Architect not selected.

Tex., Navasota—Chamber of Commerce receives bids about Dec. 15, building 2 story, 86 x 110 ft., ice and cold storage plant, brick. About $75,000.

Okla., Sapulpa—C. R. Webb plans to build 1 story, flour mill and grain elevator. About $50,000. Architect and engineer not selected.

Wash., Aberdeen—Bishop Lumber Co., Montesano, acquired 400 ft. site on harbor front, here, and plans to build 2 story, concrete sawmill, 60,000 ft. daily capacity. About $100,000. E. K. Bishop, mgr. Architect not selected.

Wash., Seattle—Bd. Educ. plans to build 3 story, 250 x 250 ft. factory and warehouse, involving 40,000 sq.ft. rein.-con. flooring, on 8th and Dexter Sts. About $160,000. F. A. Narramore, Central Bldg., school archt.

Ore., Marshfield—I. Tower plans to build 2 story, 100 x 100 ft. concrete garage, concrete foundation, in Chinatown addition. About $50,000. Architect not selected.

Cal., Glendale—See "Waterworks."

Cal., Stockton—Kroyer Tractor Mfg. Co., 512 Farmers Bank Bldg., having plans prepared by F. V. Mayo, archt., 512 Farmers Bank Bldg., for group of factory buildings. About $1,000,000.

BIDS DESIRED

Md., Baltimore—R. C. Kolb, 10th and Reed Sts., Phila., Pa., receiving bids building 1 and 2 story, 60 x 200 ft., bakery, brick and stone, concrete foundation, on Pennsylvania and North Aves. here. About $200,000. W. W. Slack & Co., 142 State St., Trenton, N. J., archts.

Md., Baltimore—Until Dec. 15, by M. J. Reilly, agt. Fidelity Storage Co., 812 Equitable Bldg., constructing 6 story, 56 x 125 ft., rein.-con., brick and stone warehouse, concrete foundation, at 2104-2108 Maryland Ave. About $160,000. Morris & Dunford, Chicago, archts.

Mich., Detroit—R. H. Fyfe, 694 Woodward Ave., receiving bids constructing 2 story, 40 x 150 ft., rein.-con. and brick garage and sales building, rein.-con. flooring, concrete foundation. About $60,000. Smith, Hinchman & Grylls, 710 Washington Arcade, archts.

Ill., Chicago—Palatine Commercial Corp., 1114 Milwaukee Ave., receiving bids building 2 story, 75 x 125 ft., brick and rein.-con. warehouse, rein.-con. flooring, concrete foundation, on Haddon and Milwaukee Aves. About $65,000. H. Schmidt, 1165 North Clark St., archt.

Ill., Chicago—T. R. Bishop, archt., 35 South Dearborn St., receiving bids building 3 story, 160 x 165 ft., mill construction factory, concrete foundation, on Lake St. and Kildare Ave., for Playerphone Talking Machine Co., 238 North Kedzie Ave. About $175,000.

Ill., Chicago—W. J. Quan, 1310 West 79th St., receiving bids building 1 story, 75 x 120 ft., brick and timber garage, brick foundation, at 1304 West 79th St. About $25,000. A. G. Lund, 453 West 63rd St., archt.

Ill., Chicago—W. Schulze, archt., 2009 West North Ave., receiving bids building 2 story, 60 x 125 ft., brick and rein.-con. garage and storage plant, rein.-con. flooring, concrete foundation, on Lincoln and Webster Sts. About $50,000. Owner's name withheld.

Okla., Tahlequah—Until Dec. 19, by J. W. Reig, mayor, building, electric light and power plant. Bonds for $200,000 voted for project. W. N. Gladson and E. M. Ratliff, Fayetteville, Ark., engrs. Noted June 19.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Troy**—Troy Blanket Mills let contract building 4 story, 68 x 289 ft. factory, 2 story, 64 x 224 ft. pickerhouse and small addition to boiler house, brick and rein.-con., to E. D. Ward Co., 82 Foster St., Worcester, Mass. About $350,000.

★**Mass., Boston**—Snider & Rudnick, 18 Tremont St., will construct 1 story, 70 x 100 ft., brick and concrete, service and sales building, concrete flooring and foundation, on Commonwealth Ave. About $45,000. Work will be done by day labor.

★**Mass., Cambridge**—G. H. Dyer, 155 Brookline St., let contract building 2 story 55 x 100 ft. factory and 1 story, 30 x 40 ft. boiler house, brick and mill construction, concrete flooring and foundation, to F. J. Van Etten Co., 153 Milk St., Boston. About $30,000.

★**Mass., Dorchester** (Boston P. O.)—J. Meltzer & Co., 31 Beach St., Boston, will build 1 story, 135 x 200 ft., rein.-con. garage, rein.-con. flooring, concrete foundation, on Columbia Rd. About $80,000. Owner's name withheld.

★**Mass., East Boston** (Boston P. O.)—I. Young & Co., 85 Border St., let contract building 2 story, 74 x 80 ft., brick factory, concrete foundation, to P. Rich, 67 Byron St. About $28,000.

★**Mass., Jamaica Plain** (Boston P. O.)—Clifton Mfg. Co., 65 Brookside Ave., let contract building 2 story, 36 x 112 ft., brick and concrete plant, concrete flooring and foundation, to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. About $40,000.

★**Mass., Somerville** (Boston P. O.)—H. E. Steves, Willow St., let contract building 1 story, 110 x 120 ft., brick garage, concrete flooring and foundation, to F. J. Van Etten Co., 153 Milk St., Boston. About $40,000.

★**Mass., Springfield** — Natl. Equipment Co., North Main St., let contract building 1 story, 150 x 150 ft., brick and concrete addition to plant, concrete foundation, to Adams & Ruxton Constr. Co., 33 Layman St. About $75,000.

★**Mass., Three Rivers**—Otis Co., Ware, let contract building 5 story, 63 x 270 ft. repair shop and 2 story, 101 x 192 ft. dye house, brick and mill construction, concrete foundation, at Palmer Mills, here, to McNally Bldg., Co., Gardner. About $400,000.

★**Mass., Watertown**—Hood Rubber Co., Nichols Ave., let contract building 1 and 2 story, 60 x 220 ft. and 3 story, 32 x 96 ft., rein.-con. additions to plant, rein.-con. flooring, concrete foundaiton, to Aberthaw Constr. Co., 27 School St., Boston. About $80,000.

★**Mass., Willimansett** (Holyoke P. O.)—C. F. Church Mfg. Co. let contract constructing 1 story, 40 x 170 ft. manufacturing plant, 50 x 60 ft. storage plant and 37 x 51 ft. office building, brick, rein.-con. flooring, concrete foundation, to E. F. Carlson Co., 310 Main St., Springfield. About $40,000.

★**R. I., Auburn**—(Providence P. O.)—Universal Winding Co. let contract building 2 story, 102 x 103 ft., brick and steel foundry, rein.-con. flooring, concrete foundation, to C. I. Bigney Constr. Co., Inc., 898 Westminster St., Providence. About $100,000.

★**R. I., East Providence** (Providence P. O.) — Tidewater Oil Co., 34 Central Wharf, Boston, Mass., let contract building rein.-con. and steel distributing station, rein.-con. flooring, concrete foundation, at foot of Massasoit Ave., here, to include storage tanks, warehouses, etc., to J. G. White Eng. Co., 43 Exch. Pl., New York City. About $30,000.

★**R. I., Pawtucket**—Oswegatchie T[illegible] Co., 1075 Main St., let contract build[illegible] story, 100 x 200 ft., brick and mill construction addition to mill, rock and concrete foundation, to Famiglietti Bros., [illegible] Bway., Providence. About $125,000.

★**R. I., Phillipsdale**—(Pawtucket P. O.) Sayles Finishing Plants let contract [illegible]ing 1 story, 40 x 65 ft. and 45 x 10[illegible] brick and mill construction factory, to [illegible]tral Constr. Co., Slater Trust Bldg., [illegible]tucket. About $25,000.

★**R. I., Providence**—International [illegible] Co., Charles St., let contract buildin[illegible] story, 28 x 60 ft., brick and rein.-con. addition to mill, rein.-con. flooring, to C[illegible] Purington & Co., Industrial Trust Bldg. About $25,000.

★**R. I., Providence**—L. Vaughn Co., [illegible] Westminster St., will build 1 and 3 story, 34 x 98 ft. and 20 x 40 ft., brick and mill construction, shop and garage. About $40,000. Work will be done by day labor.

★**Conn., Bridgeport**—Bridgeport Hardware Mfg. Co., 461 Iranistan Ave., let contract building 2 story, 40 x 125 ft., brick and mill construction addition to factory, concrete foundation, on Washburn St., to S. W. Hubbell Bldg. Co., Knowlton St. About $35,000.

★**Conn., Bridgeport**—Bryant Electric Co., 1421 State St., let masonry contract for building 1 story, 60 x 117 ft., brick and steel garage, concrete flooring and foundation, to W. Martin & Son, 164 State St. Balance of work will be done by day labor. About $25,000.

★**Conn., Bridgeport**—G. T. McCarthy, 929 Iranistan Ave., will build 1 story, 82 x 145 ft., brick garage, concrete flooring and foundation, on Fairfield Ave. and Auburn St. About $29,000. Work will be done by day labor.

★**Conn., Centreville** (New Haven P. O.)—Amer. Mills Co. let contract building 1 story, 38 x 137 ft., brick and rein.-con. factory, concrete flooring and foundation, to Sperry Eng. Co., 82 Church St., New Haven. About $25,000.

★**Conn., Elmwood** (Hartford P. O.)—New Departure Mfg. Co., 269 North Main St., Bristol, let contract building 2 story, 60 x 220 ft. factory, with 62 x 68 ft. el. rein.-con., rein.-con. flooring, concrete foundation, here, to Aberthaw Constr. Co., 27 School St., Boston, Mass. About $300,000.

★**Conn., Hartford**—H. Dragat, 340 Windsor Ave., will build 2 story, 50 x 72 ft., brick and mill construction warehouse, concrete foundation. Work will be done by day labor. Noted Sept. 18.

★**Conn., Hartford**—Hartford Electric Light Co., 266 Pearl St., let contract building 1 story, 76 x 104 ft., brick and concrete warehouse, concrete flooring and foundation, on Windsor Ave., to J. H. Grozier Co., 721 Main St. About $40,000.

★**Conn., Hartford**—Hartford Special Mchy. Co., Woodland Ave., let contract building 1 story, 60 x 200 ft., brick and concrete addition to factory, concrete flooring and foundation, on Homestead Ave., to Bent-Bartlett Co., 43 Ann St. Cost between $35,000 and $40,000.

★**Conn., Meriden**—Foster, Merriam & Co., 31 Cross St., let contract building 2 story, 58 x 100 ft., brick and steel addition to foundry and office, rein.-con. flooring, concrete foundation, to H. Wales Lines Co., 134 State St. About $35,000.

★**Conn., Meriden**—Manning, Bowman & Co., Pratt St., let contract building 5 story, 50 x 130 ft., brick and mill construction plant, concrete foundation, to J. H. Grozier Co., 721 Main St., Hartford. About $65,000.

★**Conn., New Britain**—New Britain Machine Co., 140 Chestnut St., let contract building 1 story, 32 x 320 ft. addition to factory, with 40 x 70 ft. el, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Chestnut St., to M. O. Baker, 180 Black Rock Ave. About $40,000.

★**Conn., New Britain**—New Departure Mfg. Co., 269 North Main St., Bristol, let contract to Turner Constr. Co., 178 Tremont St., Boston, Mass., constructing 1 story, 100 x 220 ft. and 4 story, 110 x 220 ft. factories, 1 story, 50 x 92 ft. boiler house, 2 story, 40 x 130 ft. transformer house, 2 story, 30 x 30 ft. printing plant and 1 story, 50 x 65 ft. carriage shop addition.

Industrial Works (Continued)

all at main plant; 1 story, 40 x 120 ft. forge shop, 1 story, 45 x 60 ft. boiler house, 1 story, 70 x 240 ft. storage plant, 1 story, 70 x 265 ft. machine shop and 2 story, 40 x 80 ft. office, at north plant, all rein.-con., rein.-con. flooring, concrete foundation.

★**Conn., New London** — Tidewater Oil Sales Co., 11 Bway., New York City, let contract building brick, rein.-con. and steel, oil distributing station, rein.-con. flooring, to Flynt Bldg. & Constr. Co., Palmer, Mass. About $75,000.

★**Conn., North Adams**—Arnold Print Wks., Marshall St., will build 1 story, 75 x 90 ft., concrete addition to dye house, rein.-con. flooring, concrete foundation. About $35,000. Work will be done by day labor.

★**Conn., Plainville**—Atwater Mfg. Co. let contract building 1 story, 50 x 240 ft., concrete and steel addition to factory, concrete flooring and foundation, to Berlin Constr. Co., Berlin. About $40,000.

★**Conn., West Haven** (New Haven P. O.) —Kelley Tire & Rubber Co., 962 Chapel St., New Haven, let contract constructing 3 story, 75 x 260 ft. factory, 2 story, 40 x 40 ft. office, 1 story, 50 x 80 ft. power house and 2 story, 25 x 25 ft. spreader building, rein.-con., rein.-con. flooring, concrete foundation, on Elm St., here, to Westcott & Mapes, Inc., 207 Orange St., New Haven. About $400,000.

★**N. Y., Brooklyn**—Diana Chocolate Co., 382 Jefferson Ave., let contract building 5 story, 84 x 200 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Wykoff and Willoughby Aves., to Caye Constr. Co., 299 Bway., New York City. About $100,000. Noted Apr. 10.

★**N. Y., Brooklyn**—H. Frank, c/o Ebling, Magnusen & Kleinert, archts. and engrs., 52 Vanderbilt Ave., New York City, will build 1 story, 200 x 300 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Eastern Parkway. About $80,000. Work will be done by day labor.

★**N. Y., Brooklyn**—H. Hessner & Son, 33 Bartlett St., will build 1 story, 160 x 200 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on McKibbon and White Sts. About $65,000. Work will be done by day labor.

★**N. Y., Cohoes**—E. S. Walsh, supt. pub. wks., Capitol, Albany, let contract building extension to present dockwall and timber freighthouse, here, Contr. 36-A, to Holler-LaDu Corp., Holland Bldg., Albany. About $39,665. Noted Nov. 6.

★**N. Y., Coney Island**—F. Kelsey, care of Parfitt Bros., archts. and engrs., 26 Court St., Brooklyn, will build 1 story, 100 x 196 ft., brick and steel service station, rein.-con. flooring, concrete foundation, on West 8th St., here. Work will be done by day labor.

★**N. Y., Farmingdale** — Raymond Eng. Corp., 309 Lafayette St., New York City, will build 1 story, 60 x 120 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, here. About $90,000. Work will be done by day labor.

★**N. Y., Flushing**—Knickerbocker Ice Co., 1480 Bway., New York City, let contract building 1 and 2 story, 120 x 140 ft., ice plant, on Collins Pl., here, to Post & McCord, 101 Park Ave., New York City. About $150,000.

★**N. Y., Flushing**—E. S. Walsh, supt. pub. wks., Capitol, Albany, let contract building barge canal terminal and timber freighthouse, here, Contr. 45, to Mohawk Dredge & Dock Co., Inc., Manion Blk., Herkimer, $255,275. Noted Nov. 6.

★**N. Y., Little Falls**—Barnet Leather Co., 598 East Mill St., let contract building 1 story, 40 x 50 ft. boiler house and 1 story, 15 x 40 ft. power house, brick and rein.-con., rein.-con. flooring, to Industrial Eng. Co., 30 Church St., New York City. About $50,000.

★**N. Y., Long Island City**—Perfect Window Regulator Co., 415 Greenpoint Ave., Brooklyn, let contract building 1 story, 95 x 240 ft., brick, steel and rein.-con. factory, rein.-con. flooring, concrete foundation, on Harris and Van Alst Aves., here, to Factory Bldg. Corp., 44 Court St., Brooklyn.

★**N. Y., New York**—**Brooklyn Bridge** Freezing & Cold Storage Co., Bridge Arch 11, let contract remodeling and insulating 6 story, 50 x 90 ft. building into fish freezing and storage plant, to Ophuls, Hill & McCreery, Inc., 112-114 West 42nd St. About $325,000.

★**N. Y., New York**—W. Gancler, 1360 Boston Rd., will alter 1 story, 50 x 75 ft., brick and steel laundry, rein.-con. flooring, on Bryant Ave. and 173rd St. About $30,000. Work will be done by day labor.

★**N. Y., New York**—L. Gold, 44 Court St., Brooklyn, will build rein.-con. and steel factory, rein.-con. flooring, concrete foundation, at 533 West 57th St., here. About $200,000. Work will be done by day labor.

★**N. Y., New York**—Jenphil Realty Corp., 1060 Findlay Ave., will build 1 story, 100 x 150 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Webster Ave. and 166th St. About $25,000. Work will be done by day labor.

★**N. Y., New York** — Mulberry Garage Corp., 299 Bway., will build 1 story, 93 x 99 ft., brick and steel garage, rein.-con. flooring, concrete foundation, at 52 West 46th St. About $40,000. Work will be done by day labor.

★**N. Y., New York** — New York Sheet Metal Wks., 413 East 91st St., will build 1 story, brick and steel factory, rein.-con. flooring, concrete foundation, at 509 East 80th St. About $25,000. Work will be done by day labor.

★**N. Y., New York**—E. S. Walsh, supt. pub. wks., Capitol, Albany, let contract building headhouse and installing watermains and electrical work on Pier 93, West 53rd St., here, Contr. 225, to Fox Reynolds Co., Inc., 81 East 125th St., $51,197. Noted Nov. 6.

★**N. Y., New York**—Zipkes, Wolff & Kudroff, archts. and engrs., 25 West 42nd St., let contract to Turner Constr. Co., 244 Madison Ave., altering 6 story, brick and steel factory, at 204-206 East 107th St., for B. Winer, c/o architects. About $40,000.

★**N. Y., Portchester**—T. R. Mallory, Inc., Fox Island Rd., let contract building 2 story, 40 x 112 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, to G. Mertz, Portchester. About $25,000. Noted Sept. 4.

★**N. J., Hoboken**—Owens & Traeger, 1400 Washington St., let contract building 5 story, 80 x 200 ft. rein.-con. factory, on 11th St., to Industrial Eng. Co., 30 Church St., New York City.

★**N. J., Newark**—Blanchard & Co., c/o W. Lehman, archt., 738 Broad St., let contract building 2 story, 50 x 97 ft., brick and mill construction factory, on Sussex Ave., to L. Weber Bldg. Co., 171 Madison Ave., New York City. About $50,000.

★**Pa., Phila.**—Federal Hosiery Mills, Janney and Cambria Sts., let contract building 2 story, 70 x 150 ft., brick factory, to H. E. Baton, 1713 Sansom St. About $100,000.

★**Pa., Phila.**—J. R. Kendrick Co., 125 Herman St. let contract building 3 story, 60 x 125 ft. brick and steel factory, on Germantown and Pastorius Sts., to T. M. Peterson & Son, 5114 Germantown St.

★**Pa., Phila.**—Phila. Storage Battery Co., Ontario St., let contract building 1 story, 50 x 220 ft. addition to factory, with 26 x 50 ft. wing, concrete and brick, to Stewart Bros. Co., 2528 North Orkney St. About $50,000.

★**Pa., Phila.**—Standard Tin-Foil Corp., let contract building 1 story, 130 x 260 ft. brick and steel factory, on Cedar and Tioga Sts., to Austin Co., Bulletin Bldg. About $85,000.

★**Md., Baltimore**—Blumberg Bros. & Co., 223-225 West Baltimore St., let contract constructing 3 story, 50 x 125 ft. addition to wholesale house, to Consolidated Eng. Co., 243 Calvert Bldg. About $70,000.

★**Md., Baltimore**—Howell Motor Car Co., Mt. Royal Ave. and Cathedral St., let contract constructing 2 story, 100 x 123 ft., rein.-con., steel and brick garage and service building, cement flooring, concrete foundation, at 913-27 Bolton St., to H. A. Markley, 3809 Clifton Ave. About $55,000; cost plus percentage basis.

★**Md., Curtis Bay** (Baltimore P. O.)— Standard Wholesale Phosphate Co., 1214 Continental Bldg., let contract building 1 story, 60 x 216 x 320 ft., rein.-con. and steel plant, rein.-con. flooring, concrete foundation, on Aspin St., to Whiting-Turner Co., Stewart Bldg., Baltimore. About $72,000.

★**W. Va., Parkersburg**—The Vitrolite Co., let contract building 1 story, 200 x 300 ft. brick and steel addition to factory, brick foundation, to Plate & Vogle, Parkersburg. About $300,000.

★**O., Cleveland**—See "Buildings."

•**O., Cleveland**—**Cleveland Automobile Co.**, 300 East 132nd St., let contract building 4 story, 80 x 200 ft., brick factory, rein.-con. flooring, concrete foundation, on Euclid Ave and London Rd., to J. Gill & Son Co., Citizens Bldg. About $350,000.

★**O., Cleveland**—Cleveland Printing Ink Co., 1104 Prospect Ave., let contract building 2 story, 40 x 99 ft., brick, workshop, brick foundation, at 1106 Hamilton Ave., to H. Chakford, 8120 Decker Ave. About $50,000.

★**O., Cleveland**—Cream Cone Mchy. Co., 5454 Hough Ave., let contract building 2 story, 50 x 54 ft., rein.-con., steel and brick factory, at 5808 Hough Ave., to A. A. Lane Co., 1836 Euclid Ave. About $30,000. Noted Sept. 8.

★**O., Cleveland**—International Motor Co., 1325 West Front St., Plainfield, N. J., let contract building 1 story, 100 x 200 ft., concrete, steel and brick garage and salesroom, rein.-con. flooring, concrete foundation, on East 70th St. and Carnegie Ave., here, to P. F. Bennett, 1714 Columbus Rd. About $75,000.

★**O., Cleveland**—Ohio Blower Co., 9301 Detroit Ave., let contract building 5 story, 65 x 300 ft., concrete, brick and steel factory, rein.-con. flooring, concrete foundation, to S. W. Emerson Co., 1900 Euclid Bldg. About $300,000.

★**O., Cleveland**—W. G. Smith Co., 2191 West 110th St., let contract constructing 1 story, 90 x 260 ft., concrete, brick and steel storage building, rein.-con. flooring, concrete foundation, to Austin Co., 16112 Euclid Ave. About $75,000.

★**O., Columbus**—Belmont Casket Co., 330 West Spring St., let contract building 4 story, 45 x 73 ft. brick factory, to E. Elford, Commercial Bldg. About $28,000.

★**O., Columbus**—J. Immel & Sons Co., 31 East Livingston Ave., let contract constructing plant, including 250 x 350 ft., concrete and brick building, 1 story, 40 x 60 ft., concrete and brick office, 1 story power plant and brick dry kiln, on High St. and Innis Ave., to C. W. Schneider & Sons, Pennsylvania R.R., south of Fair Grounds. About $400,000.

★**O., Columbus**—Ohio State Stove & Mfg. Co., 899 Ingleside Ave., let contract building 3 story, 45 x 45 ft. addition to plant, to F. M. Bowman, 1012 Summit St.

★**O., Dayton**—Garford Dayton Sales Co., Main St., let contract building 1 story, 48 x 166 ft., brick and steel garage and sales room, rein.-con. flooring, concrete foundation, on North Main St., to Industrial Bldg. Co., 757 Reibold Bldg. About $60,000.

★**O., New Lexington**—R. J. Thacker Co. let contract constructing 3 story, 62 x 122 ft., concrete and brick, wholesale building, to E. C. Fenimore, Brunson Bldg., Columbus. About $75,000. Noted Aug. 21.

★**O., Springfield**—Bauer Bros., Apple St., let contract building 3 story, 50 x 90 ft., rein.-con. warehouse, rein.-con. flooring, concrete foundation, to Frank Hill Smith Co., Inc., 1035 Reibold Bldg. About $50,000.

★**Ind., Aetna**—Aetna Iron & Steel Co., Gary, let contract building 1 story, 75 x 400 and 225 x 600 ft. rolling mills, brick and steel, concrete foundation, here, to Northwestern Bridge & Iron Co., 32nd and Hopkins Sts., Milwaukee. About $350,000.

★**Mich., Bay City**—Fletcher Auto Sales Co., Saginaw St., let contract building 1 and 2 story, 75 x 100 ft. and sales service station, brick, steel and stone, rein.-con. flooring, brick foundation, on Saginaw and 4th Sts., to Sparling, Gilbert & Chevler, Saginaw St. About $30,000.

★**Mich., Detroit**—Anderson Electric Car Co., Milwaukee and Junction Aves., let contract building 1 story, 100 x 187 ft., rein. con. addition to factory, rein.-con. flooring, on Aberle St., to H. G. Christman Co., 315 Stevens Bldg. About $45,000.

★**Mich., Detroit**—Detroit & Cleveland Navigation Co., foot of Wayne St., let contract constructing 1 and 2 story, steel and corrugated iron, freight shed and office building, to Bryant & Detwiler Co., 2336 Dime Bank Bldg. About $50,000.

Industrial Works (Continued)

★**Mich., Detroit**—Detroit Edison Co., David Whitney Bldg., let contract building 10 story, 150 x 250 ft., rein.-con., brick and steel service station, rein.-con. flooring, concrete foundation, on 2nd and Alexanderine Aves., to A. A. Albrecht Co., 1130 Penobscot Bldg.

★**Mich., Detroit** — Fisher Body Corp., Oakland and Piquette Aves., let contract to H. G. Christman Co., 315 Stevens Bldg., constructing 1 story, 123 x 678 ft., trainshed, shipping and press room, rein.-con., brick and steel, concrete foundation, rein.-con. loading platform with asphalt floors and 2 plate girder bridges over tracks, 26 and 45 ft. spans, on West End and Fort Sts.

★**Mich., Detroit**—General Carbonic Co., 542 5th Ave., New York City, let contract building 1 story, 100 x 120 ft. plant, 40 x 50 ft. boiler house, and 25 x 30 ft. garage, rein.-con. and steel, rein.-con. flooring, concrete foundation, here, to Austin Co., 217 Bway., New York City. About $75,000.

★**Mich., Detroit**—Pittman & Dean Co., 203 Griswold St., let contract building 2 story, 97 x 106 ft. brick, steel and tile, plant, rein.-con. flooring, concrete foundation, on Brush and Victor Sts., to Pine & Munnicke, 103 Marquette Bldg. About $70,000.

★**Mich., Grand Rapids**—Berkey & Gay Co., Monroe Ave., let contract building 5 story, 160 x 220 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, to include dry kilns, power plant, office and recreation buildings, to Owen-Ames-Kimball Co., Michigan Trust Bldg., 42 Pearl St. About $400,000.

★**Mich., Jackson**—Hup Motor Car Co., Park Ave., let contract building 1 story, 170 x 280 ft., rein.-con., brick and steel factory, concrete foundation, to E. Winter, Chamber Commerce Bldg., Detroit.

★**Mich., Lansing**—Detroit Beef Co., 1214 Washington St., let contract building 2 story, 30 x 92 ft. storage plant and 19 x 42 ft. garage, brick, concrete and steel, rein.-con. flooring, concrete foundation, on Washington St. and Grand Trunk Ry. to Pine & Munnicke, 103 Marquette Bldg., Detroit. About $50,000.

★**Ill., Chicago**—Doehler Die Casting Co., 4429 North Campbell Ave., let contract building 1 story, 150 x 300 ft., mill construction factory, concrete foundation, on 97th and Cottage Grove Sts., to W. McCumber & Son, 140 South Dearborn St. About $150,000.

★**Ill., Chicago**—Packard Motor Car Co., West Grand Blvd., Detroit, Mich., let contract building 2 story, 298 x 304 ft., brick and rein.-con. service and assembly station, rein.-con. flooring, concrete foundation, on West 37th St. and Princeton Ave., to E. L. Scheidenheim, 111 West Monroe St.

★**Ill., East St. Louis**—Morris & Co., Natl. Stockyards, will build 2 story, 30 x 112 ft., brick and steel power plant, rock foundation. About $50,000. Work will be done by day labor.

★**Wis., Kewaskum**—Kewaskum Aluminum Co. let contract building 2 story, 50 x 180 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, to J. L. Stanage, 144 Oneida St., Milwaukee.

★**Wis., Madison**—Madison Kipp Lubricating Co., Waubesa St., let general contract building 52 x 240 ft. rein.-con. and steel addition to factory, to G. C. Cnare & Son, 2000 Jenifer St., steel, to Lakeside Bridge & Steel Co., North Milwaukee St., Milwaukee. Total cost, $200,000.

★**Wis., Manitowoc**—A. H. Franke Co., 1119 Columbus St., let contract building 2 story, 30 x 160 ft. brick, rein.-con. and steel factory, brick foundation, on 12th St., to Blake Constr. Co., 627 South River St., Appleton. About $27,500. Noted Dec. 4.

★**Wis., Milwaukee**—Gemco Mfg. Co., 742 South Pierce St., let contract building 2 story, 50 x 150 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, to Universal Constr. Co., 97 Wisconsin St. About $50,000. Noted Dec. 4.

★**Wis., Milwaukee**—H. J. Esser, archt. and engr., Camp Bldg., let contract to P. Riesen Sons, 1018 Humboldt Ave., building 1 story, 100 x 300 ft. brick and steel factory, concrete foundation, on Keefe Ave. and Bremen St., for Manufacturers' Box Co., 130 Reservoir Ave. About $100,000.

★**Wis., Milwaukee** — Natl. Knitting Co., 905 Clinton St., let contract building 3 story, 72 x 146 ft. brick and mill construction factory, concrete foundation, to Meredith Bros. Co., 1044 Kinnicinnic Ave. About $75,000.

★**Wis., West Bend**—West Bend Aluminum Co. let contract building 4 story, 72 x 144 x 192 ft. and 1 story, 72 x 120 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, to Northern Constr. Co., Colby-Abbot Bldg., Milwaukee. About $100,000; cost plus percentage basis.

★**Ia., Maquoketa**—City let contract building power and light plant, to include installation of one 250 h. p. Diesel type engine, etc., to Busch-Selzer Bros. Co., Kansas City, Mo. About $61,000.

★**Ia., Sioux City**—Fairmont Creamery Co., 12th and Jones Sts., Omaha, Neb., let contract building 8 story, 75 x 150 ft. creamery, brick, rein.-con. and steel, rein.-con. flooring, brick foundation, here, to F. T. Hoox & Son, Sioux City. About $200,000; cost plus percentage basis.

★**Minn., St. Paul**—U. S. Bedding Co., Arundel and Minnehaha Aves., let contract building 2 story, 124 x 225 ft., rein.-con., steel, brick and stone factory and office, on Minnehaha and Western Aves., to O. H. Rundquist, 1466 Selby Ave. About $85,000, cost plus percentage basis.

★**Mo., St. Louis**—Bayer Steam Soot Blower Co., 282 La Salle St., let contract building 3 story, 120 x 140 ft., concrete and brick factory, rein.-con. flooring, on Thurman and Park Aves., to Ajax Constr. Co., 4600 Park Ave. About $125,000.

★**Mo., St. Louis**—Bridge & Beach Mfg. Co., 1st and Valentine Sts., let contract to Fruin Colnon Constr. Co., Merchants Laclede Bldg., constructing factory, on Union and Belt Sts., consisting of 7 story, concrete, steel and brick moulding shop, cost $135,000; 3 story, 152 x 200 ft., concrete and brick warehouse, etc., $107,000; 1 story, 25 x 60 ft., concrete and brick boiler house, $27,000; 4 story, concrete and brick, storage building, $21,000; 1 story, brick enameling and oven rooms, $12,000; 1 story, brick pattern shop, $9000; 1 story, 60 x 110 ft., brick, office building, $50,000.

★**Mo., St. Louis**—Sugar Products Co., 16 Exch. Pl., New York City, let contract building concrete, steel and brick storage plant, installing loading and unloading equipment and 10,000 ft. pipe, on Tesson and Van Buren Sts., to Murch Bros. Constr. Co., Ry. Exch. Bldg., $125,000; also installing and equipping 500,000 gal. storage tank, pumping station, transferring and oil engine power equipment, to P. A. Rohan, North 1st St., $30,000.

★**Mo., St. Louis**—Texas Co., 2414 De Kalb St., let contract constructing 80 x 115 ft. concrete storage building and installing steel storage tank, to E. Reicht, 2414 De Kalb Ave. About $100,000.

★**Tex., Houston**—Miller Bros., Jackson St. and Preston Ave., let contract building 3 story, rein.-con. factory to T. Telepson, 4510 Park Drive, $48,600.

★**Ont., Hamilton** — Spectator Printing Co., James St., let contract building 3 story, 60 x 120 ft., brick and steel factory and office, concrete flooring, to Stewart & Sinclair, 17 Jackson St. About $100,000.

Buildings

PROPOSED WORK

Me., Lewiston — Bank — Lewiston Trust Co. soon lets contract building 2 story, 50 x 110 ft., brick, stone and steel, concrete flooring and foundation. About $60,000. T. M. James, 3 Park St., Boston, Mass., archt.

Mass., Boston — Business — Codman & Street, 15 State St., having plans prepared by J. D. Leland, archt., 185 Devonshire St., for 7 story, 22 x 120 ft., brick, concrete and steel, on Washington St. W. F. Schrafft & Sons Corp., 160 Washington St., lessee.

Mass., Boston—Office—Amer. Mutual Liability Insurance Co., 245 State St., having plans prepared by F. F. Jousberg Co., archts. and engrs., 16 Central St., for 6 story, 64 x 120 ft., on Beacon St. About $500,000.

Mass., Fall River — Business — S. S. Kresge Co., Kresge Bldg., Detroit, Mich., plans to build 2 story, 84 x 111 x 133 ft., on South Main St., here. About $75,000.

Mass., Fitchburg — Memorial — S. Joseph's Roman Catholic Church, Columbus Ave., plans to construct memorial building. About $60,000. J. Moussier, secy. Architect not selected.

Mass., Medford — Office, etc. — [illegible] Electric Co., 201 Devonshire St., [illegible] plans to build 1 and 2 story, 58 x [illegible] ft., rein.-con. office and sub-station, [illegible] flooring, concrete foundation, on Sa[illegible] St., here. C. H. Tenney & Co., 201 Dev[illegible] St., Boston, engrs.

Mass., Needham (Boston P. O.) Hospital—Glover Home & Hospital, C[illegible] St., having plans prepared by Coo[illegible] & Shattuck, archts., 122 Ames Bldg., Boston, for large addition to hospital.

Mass., North Adams—Home—I. O. O. F. Oneco Lodge, plans to build home, on Ashland and Summer Sts. About $1[illegible],000. Architect not selected.

Mass., Northampton—Theatre—Goldstein Bros. Amusement Corp., Bridge St., Springfield, plans to build large addition to Plaza Theatre, on Pleasant St., here.

Mass., Quincy — Administration — Children's Institution Dept., soon lets contract constructing 3 story, 95 x 115 ft., brick, concrete foundation, at Suffolk School for Boys, on Rainsford Island. About $2[illegible],000. J. Purdon, 8 Beacon St., Boston, archt.

Mass., Willimansett (Holyoke P. O.)—Housing—Stevens-Duryea Co., Chicopee Falls, plans to build about two hundred 2 story, brick and timber houses for workmen, at Driving Park, here.

R. I., Kingston—College—Rhode Island State College having plans prepared by E. B. Homer, archt., 89 Weybosset St., Providence, for 4 story, 54 x 120 ft. Bids will be received in about 3 months. About $200,000. H. Edwards, pres.

R. I., Lonsdale (Pawtucket P. O.)—School—Lincoln Twp. having plans prepared by J. F. O'Malley, archt., 75 Westminster St., Providence, for 2 story, 56 x 110 ft. with 45 x 70 ft. ell, brick and steel, concrete foundation, here. About $60,000. Noted July 24.

R. I., Westerly—Bank and Office—Washington Trust Co., Main St., soon lets contract building 3 story, 60 x 104 ft., brick and steel, brick foundation, on Broad and Main Sts. About $60,000. York & Sawyer, 50 East 41st St., New York City, archts. and engrs. Noted Jan. 2.

Conn., Ansonia—Bank—Mowbray & Uffinger, archts., 56 Liberty St., New York City, soon let contract building 1 story, 50 x 100 ft., brick, granite and limestone, concrete flooring and foundation, for Ansonia Natl. Bank, 165 Main St. About $75,000.

Conn., Manchester — School — F. Farley, archt. and engr., 15 West 38th St., New York City, soon lets contract building brick, steel and stone, brick foundation, on Spruce St., for town. About $150,000. Noted Aug. 28.

Conn., Middletown — Hospital — D. K. Perry, archt., 79 Golf Maple Hill, New Britain, rejected bids received building 2 story, 105 x 233 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on South Farms, for Connecticut Hospital for Insane. About $175,000. Project postponed indefinitely.

Conn., New London—Business—Bilderbeck & Langdon, archts., Barrows Bldg., soon let contract building 2 story, 25 x 80 ft., brick, rein.-con. flooring, brick foundation, on Main St., for S. McMullen, 35 Main St. About $60,000.

Conn., Wallingford — Bank — First Natl. Bank, 33 South Main St., having plans prepared by R. W. Foote, archt., 185 Church St., New Haven, for brick and steel, on Main and Center Sts. About $100,000.

Conn., Waterbury—Theatre—J. S. Fernandez, 24 West Porter St., plans to build 3 story, 50 x 160 ft., brick and concrete, on East Main St. About $50,000. Private plans.

N. Y., Brooklyn—Theatre—J. Hilder, 271 75th St., having plans prepared by Carlson & Wiseman, archts., 226 Henry St., for 2 story, 157x175 ft., brick and steel, brick foundation, on Bway. and Chauncey St. About $175,000.

N. Y., Brooklyn—Theatre—Kingshighway Realty Co., c/o Carlson & Wiseman, archts., 226 Henry St., having plans prepared for brick and steel, brick foundation, on Kings Highway and East 12th St. About $300,000.

N. Y., Buffalo—Theatre—Loew's Enterprises, 1492 Bway., New York City, having plans prepared by T. W. Lamb, archt., 644 8th Ave., New York City, for brick and steel, brick foundation, on Washington and Mohawk Sts. About $400,000.

Buildings (Continued)

N. Y., Long Island City—Laboratory—Pathe Exch. Inc., 25 West 45th St., New York City, having plans prepared by Stone & Webster, archts. and engrs., 120 Bway., New York City, for rein.-con. and steel, rein.-con. flooring, concrete foundation, here. About $700,000.

N. Y., Newtown (Flushing P. O)—School—Bd Educ., 500 Park Ave., New York City, rejected bids received Oct. 28, building brick, steel and stone addition, brick foundation, on Etna Pl., Chicago and Parcell Sts. About $400,000. Work will be readvertised. C. B. G. Snyder, Municipal Bldg., New York City, archt. and engr.

N. Y., New York—Hotel Silver Lunch Co., c/o B. H. and C. N. Whinston, archts. and engrs., 2 Columbus Circle, having plans prepared for altering brick and steel, on 52nd St. and Bway. About $150,000.

N. Y., New York—Loft—J. C. Schaeffler, archt. and engr., 40 West 32nd St., preparing plans for brick and steel, brick foundation, at 539-549 Broome St. About $150,000. Owner's name withheld.

N. Y., New York—Lofts and Stores—L. M. Gerry, Newport, R. I., having plans prepared by F. J. Schefeick, archt., 4168 Park Ave., New York City, for altering 12 story, brick and steel, at 1115-1117 Bway., here. About $75,000.

N. Y., New York—Office—R. Goelet Estate, 1492 Bway., having revised plans prepared by J. H. Duncan, archt. and engr., 347 5th Ave., for altering brick and steel. About $100,000.

N. Y., New York—Office—Mfrs. Cloak & Suit Trade, 136 Madison Ave., plan to build 16 story, brick, steel and stone, brick foundation, on 36th and 38th Sts., 7th and 8th Aves. About $8,000,000. M. Kanner, pres. Architect or engineer not selected.

N. Y., New York—Office—Seventy-five Maiden Lane Corp., c/o A. F. Gilbert, archt. and engr., 80 Mainden Lane, soon lets contract building 12 story, brick and steel, brick foundation, at 73-79 Maiden Lane. About $1,200,000.

N. Y., New York—Store—B. Altman & Co., 5th Ave. and 34th St., plans to build 8 story, 60 x 100 ft., brick, steel and stone, brick foundation, at 1-3 East 35th St. St. Architect or engineer not selected.

N. Y., New York—Theatre, etc.—One Hundred Forty-fifth St. Theatre Corp., 120 Bway., having plans prepared by T. W. Lamb, archt. and engr., 644 8th Ave., for 2 story, 88 x 172 ft., brick and steel theatre and garage, rein.-con. flooring, brick foundation, at 246-262 West 145th St. About $300,000.

N. Y., New York—Theatre—S. S. and L. Shubert, 225 West 44th St., having plans prepared by H. J. Krapp, archt. and engr., 116 East 16th St., for brick and steel, brick foundation, on 49th St. west of Bway. About $500,000.

N. Y., Rochester—Y. M. C. A., 2 West 45th St., New York City, having plans prepared by J. F. Jackson, archt. and engr., 47 West 34th St., New York City, for altering brick and steel building, here. About $75,000.

N. J., Glassboro—Normal School—State Bd. Educ., Trenton, plans to build 3 story, 122 x 300 ft., with 60 ft. wing, concrete and brick, here. About $700,000. F. H. Bent, 142 West State St., Trenton, Archt.

N. J., Jersey City—School—Sacred Heart Church, Bedwell Ave., plans to build new school. About $100,000. Architect not selected.

N. J., Jersey City—Theatre—Knickerbocker Realty Co. plans to build theatre on Boulevard and Sip Aves. Cost to exceed $100,000. S. A. Lerner, pres.

N. J., Somerville — Hospital — Somerset Hospital plans to build brick, steel and stone addition. About $200,000. Crow, Lewis & Wick, 200 5th Ave., New York City, engrs. and archts.

N. J., Trenton—Capitol—State Administration plans to build 3 story, concrete, steel and stone addition, on West State St. About $500,000. F. H. Bent, 142 West State St., archt.

N. J., Trenton—Club House—Carteret Club, State and Montgomery Sts., plans to build new club house, here. About $100,000. F. Gilkyson, Trenton Jct., pres.

N. J., Trenton—Club House—Engineers' Club of Trenton, Trent Theatre Bldg., plans to build club house. About $60,000. F. C. Carstarphen, 901 Edgewood Ave., chn. Bldg. Comn.

N. J., Westfield—Church—First Baptist Church soon lets contract building 1 story, 92 x 117 ft., concrete, brick and stone, on Elm St. About $60,000. Ludlow & Peabody, 101 Park Ave., New York City, archts. Noted Sept. 25.

Pa., Dorranceton (Kingston P. O.)—Hall—Veterans of Foreign Wars plan to build 3 story, 30 x 40 ft., concrete, brick and steel, rein.-con. flooring, rock foundation, on Wyoming Ave. About $50,000. Architect not selected.

Pa., Harrisburg—Bank—J. T. Brugger, archt., 507 Chestnut St., Phila., receives bids about Jan. 1 building 1 story, 40 x 100 ft., steel and marble, on 13th and Market Sts., for Allison-Hill Trust Co. Cost to exceed, $50,000.

Pa., Hazelton—Citadel—Salvation Army plans to build 3 story, 40 x 40 ft., concrete, brick and steel, rein.-con. flooring, rock foundation, on Vine St. About $60,000. Architect not selected.

Pa., Hazelton — Nurses' Home — State Hospital plans to build 3 story, 30 x 45 ft. brick and steel, rein.-con. flooring, brick foundation, on Vine St. About $50,000. Architect not selected.

Pa., Scranton—Citadel—Salvation Army, 427 Penn Ave., plans to build 3 story, 50 x 80 ft., concrete, brick and steel, rein.-con. flooring, rock foundation, on Washington Ave. About $80,000. Architect not selected.

Pa., Sunbury—Bank—Sunbury Trust & Deposit Co., 4th and Market Sts., plans to build 6 story, 60 x 120 ft. Address W. H. Druckmiller, 31 North 4th St., chn. com.

Pa., Wilkes Barre—Bank—Luzerne Co. Natl. Bank, 27 Pub. Sq., plans to build 4 story, 50 x 100 ft., brick and steel, rein.-con. flooring, rock foundation. About $240,000. Architect not selected.

Pa., Wilkes Barre—Hospital—Wyoming Valley Homeopathic Hospital, Dana St., plans to build 4 story, 40 x 50 ft., brick, steel and stone, rein.-con. flooring, rock foundation. About $90,000. Architect not selected.

Del., Wilmington—Library—Wilmington Institute Free Library, 8th and Market Sts., soon receives bids building 4 story, 77 x 198 ft., concrete and brick. About $600,000. L. E. Eden, 1170 Bway., New York City, engr. Boring & Tilton, 52 Vanderbilt Ave., New York City, archts.

N. C., Gastonia—Bank and Office—Mowbray & Uffinger, archts., 56 Liberty St., New York City, soon receive bids building 4 story, 43 x 83 ft., stone, concrete and terra cotta, for Citizens Natl. Bank.

Ga., Columbus — Bank — Merchants & Mechanics Bank, 1205 Broad St., had plans prepared by Mowbray & Uffinger, engrs. and archts., 56 Liberty St., New York City, for brick, steel and stone. About $150,000.

Ga., Cordelle—School—City voted $50,000 bonds to build school.

Ala., Athens—Hotel—Athens Hotel Co. plans to build 3 story, 90 x 128 ft., brick. About $85,000. Architect not selected.

Ala., Birmingham—Record—Comrs. Jefferson Co. having plans prepared by H. B. Wheelock, archt., Steiner Bank Bldg., for 2 story, 40 x 132 ft., fireproof, record building, on 3rd Ave. and 21st St. Cost between $60,000 and $70,000.

Ala., Decatur—Bank and Office—Tennessee Valley Bank plans to build 5 story, 64 x 100 ft., on Vine and Bank Sts. About $100,000. Architect not selected.

La., Gonzales—School—Ascension Parish School Bd., Donaldsonville, soon lets contract building 3 story, brick, here. Nolan & Torre, Hennen Bldg., New Orleans, archts.

O., Cleveland — Armory — Ohio Natl. Guard, c/o Grays Armory, negotiating for site and plans to build 1 story, brick, stone and steel, rein.-con. flooring, concrete foundation. About $60,000. Address M. D. Schwimm.

O., Cleveland—Church—Our Lady of Peace Church, 2544 East 110th St., plans to build 1 story, concrete, steel and brick, rein.-con. flooring, concrete foundation. About $100,000. J. F. Cummins, pastor. Architect not selected.

O., Cleveland—Club—Knights of Columbus, 404 Euclid Ave., having plans prepared by F. S. Fish, archt., Erie Bldg., for 3 story, 62 x 75 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, at 3422 Euclid Ave. About $100,000. J. E. Kelly, secy.

O., Cleveland—Commercial—A. A. Chilcote Co., 733 Prospect Ave., plans to build 2 story, concrete, steel and brick, rein.-con. flooring, concrete foundation, on East 21st St. and Superior Ave. About $100,000. A. A. Chilcote, pres. Architect and engineer not selected.

O., Cleveland—Hospital—City plans election Feb. 10, to vote on $2,000,000 bonds to build 4 story, concrete, steel and brick, rein.-con. flooring, concrete foundation, on Scranton Rd. F. A. Betz, 604 City Hall, engr.

O., Cleveland—Hospital—Grace Hospital, 2307 West 14th St., receives bids about spring, building 5 story, 100 x 280 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on West 14th St. About $500,000. W. S. Lougee, Marshall Bldg., archt.

O., Cleveland—Store—May Co. plans to build 2 story, 200 x 450 ft., concrete, steel, brick and terra cotta addition, rein.-con. flooring, concrete foundation, on East 1st St. and Euclid Ave. About $400,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, archts.

O., Cleveland—Stores, Theatre and Office—Marshall Drug Co., Marshall Bldg., plans to build 2 story, steel and brick, brick foundation, on Fulton Rd. and Lorain Ave. About $100,000. W. S. Lougee, Marshall Bldg., archt.

O., Lakewood (Cleveland P. O.)—Hall—City plans to build 2 story, concrete, steel and brick, rein.-con. flooring, concrete foundation, on Detroit Ave. About $100,000. A. O. Guild, mayor. Architect not selected.

O., Lakewood (Cleveland P. O.)— Memorial—Lakewood War Memorial Com., 1432 Wyandotte Ave., had sketches prepared by Rohnard & Parsons, archts., 1900 Euclid Bldg., Cleveland, for 2 story, 50 x 70 ft. concrete, brick and marble, in Lakewood Park. Cost between $50,000 and $75,000. A. G. Gutherty, chr.

Ind., Whiting — Exchange — Holabird & Roche, archts., 104 South Michigan Ave., Chicago, receive bids about Dec. 15, building 1 story, 40 x 90 ft. concrete, steel and tile, rein.-con. flooring, concrete foundation, here, for Chicago Telephone Co., 212 West Washington St., Chicago. About $65,000.

Mich., Battle Creek—High School—Bd. Educ. having plans prepared by J. B. Chubb, archt., 109 North Dearborn St., Chicago, for 3 story, 75 x 189 x 206 ft., rein.-con., brick, steel and stone, rein.-con. flooring, concrete foundation. About $400,000.

Mich., Detroit—Church—Jefferson Ave. Presbyterian Church, c/o F. C. McMath, chn. bldg. com., East Jefferson Ave. and Rivard St., plans to build 2 story, rein.-con., brick and steel, on Jefferson Ave. near Parkview Ave. About $500,000. Architect not selected.

Mich., Detroit—Club Room—Independent Order Odd Fellows, Lodge No. 373, c/o P. Wilhemson, 1977 Kercheval Ave., having plans prepared by A. H. Gould & Son, archts. and engrs., 611 Empire Bldg., for 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Kercheval St. About $250,000.

Mich., Detroit—Office—United Brotherhood of Maintenance of Ways, Employees and Railway Shop Laborers, c/o W. Dorey, chn., 27 Putnam Ave., having plans prepared by A. H. Gould & Son, archts., 611 Empire Bldg., for 12 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Clifford and Columbia Sts. About $500,000.

Mich., Ford City—School—Bd. Educ. having plans prepared by J. G. Kastler & Co., archt., 523 Chamber Commerce Bldg., Detroit, for 3 story, brick, concrete and stone, rein.-con. flooring, concrete foundation, on Main St. About $150,000.

Mich., Pontiac—School, etc. St. Michael's Parish plans to build school, church and parish house, 2 story each, rein.-con.,

Buildings (Continued)

brick and steel, rein.-con. flooring, concrete foundation, on Chamberlain and Edison Sts. About $150,000. Architects not selected.

Mich., Port Huron—Club House—Knights of Columbus, Military St., plans to build 3 story, 100 x 130 ft., rein.-con., brick and steel, on Superior and Broad Sts. About $100,000. Architects not selected.

Mich., Port Huron—Office—A. Fraser, Military St., plans to build 4 story, rein.-con. and brick, concrete foundation, on Military and Pine Sts. About $100,000. Architect not selected.

Mich., Redford—Church—Redford Methodist Episcopal Church having plans prepared by W. E. N. Hunter, archt., Chamber Commerce Bldg., Detroit, for 2 story, 60 x 85 ft., brick and steel, rein.-con. flooring, brick foundation, on Grand River Ave. about $70,000.

Wis., Elmwood—Auditorium—City plans to build 3 story, 60 x 150 ft., brick, rein.-con. and steel, brick foundation, on Main St. About $60,000. W. Neeley, clk. Architect not selected.

Wis., Janesville—Hotel—Janesville Hotel Co. plans to build 6 story (270 rooms) hotel. About $500,000. L. E. Hall, Carle Blk., interested.

Wis., Manitowoc—Store and Office—H. B. Kamschlute, archt., Natl. Bank Bldg., preparing plans for 3 story, 70 x 110 ft., brick, rein.-con. and steel, brick foundation on 8th St. About $50,000. Owner's name withheld.

Wis., Merrill—High School—Bd. Educ. plans to build 3 story, 70 x 125 ft. brick, rein.-con. and steel addition, brick foundation, on Main St. About $95,000. H. Allen, secy. Architect not selected.

Wis., Milwaukee—Club—Milwaukee County Nurses' Club, 566 Van Buren St., plans to build 3 or 4 story, brick and concrete addition, rein.-con. flooring, concrete foundation. About $60,000. Architect not selected.

Wis., Milwaukee—Exchange—R. Hess, 144 Grand Ave., plans to build 5 or 6 story 50 x 150 ft. film exchange, rein.-con. and brick, rein.-con. flooring, concrete and pile foundation, on Milwaukee St. About $175,000. M. Tullgren & Sons, 425 East Water St., archts. and engrs.

Wis., Milwaukee—Exchange—Wisconsin Telephone Co., 418 Bway., having plans prepared by A. C. Eschweiler, archt. and engr., Goldsmith Bldg., for 3 story, 40 x 60 ft., rein.-con. and brick addition, rein.-con. flooring, concrete foundation, on Wright St. About $50,000.

Wis., Milwaukee—Hotel—Martin Hotel, 210 Wisconsin St., had plans prepared by C. Barkhausen, archt. and engr., Iron Blk., for 4 story, 30 x 70 ft. rein.-con. and brick addition, rein.-con. flooring, concrete foundation. About $50,000.

Wis., Milwaukee—School and Social Center—B'ne Jeshurun Temple Sisterhood, 10th and Cedar Sts., plans to build 2 or 3 story, brick and concrete, rein.-con. flooring, concrete foundation. About $50,000. M. Sadak, 333 20th St., pres. Architect not selected.

Wis., Milwaukee—Terminal Station—Chicago, North Shore & Milwaukee Ry., Highwood, Ill., soon receives bids building superstructure for 1 story, 52 x 106 ft. rein.-con. and brick, rein.-con. flooring, on 6th and Sycamore Sts., here. R. Miller, engr. and A. W. Gerber, archt., both c/o owner.

Wis., Plain—Church—St. Luke's Catholic Church plans to build church. About $80,000. Liebert & Liebert, 425 East Water St., Milwaukee, archts.

Wis., Sheboygan—Office—F. Keli, North 8th St., plans to build 2 story, 60 x 125 ft., brick, rein.-con. and steel, brick foundation. Cost between $50,000 and $60,000. Architect not selected.

Wis., Stevens Point—Bank—Citizens Natl. Bank receives bids about Dec. 16, building 1 story, 34 x 108 ft. brick and concrete, rein.-con. flooring, concrete foundation. About $100,000. Hoggson Bros., 38 South Dearborn St., Chicago, archts.

Wis., Washburn—High School—Bd. Educ. having plans prepared by J. Chubb, archt., 109 North Dearborn St., Chicago, for 3 story, 80 x 100 ft. brick, stone, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $150,000.

Wis., Whitehall—High School—Bd. Educ. rejected bids received Nov. 10, building 2 story, 50 x 73 ft. and 73 x 124 ft. brick and rein.-con., concrete foundation. About $80,000. A. V. Peterson, clk Oppenhamer, Speer & Obel, Wausau, archts.

Ia., Blencoe—School—Bd. Educ. having plans prepared by W. E. Hulse & Co., archts., 210 Masonic Temple, Des Moines, for 3 story, rein.-con. and brick, concrete foundation. About $75,000.

Ia., Cedar Rapids—Store—E. C. Denecke Co., 117-121 South 2nd St., plans to build 2 story, 40 x 140 ft. addition, with 3 story, 60 x 80 ft. wing, brick. About $300,000. Architect will be selected at once.

Ia., Cushing—School—Bd. Educ. having plans prepared by W. E. Hulse & Co., archts., 210 Masonic Temple, Des Moines, for 3 story, rein.-con. and brick, concrete foundation. About $107,000. A. H. Bullock, secy.

Ia., Dayton—School—Bd. Educ. having plans prepared by W. E. Hulse & Co., archts., 210 Masonic Temple, Des Moines, for 3 story, rein.-con. and brick, concrete foundation. About $80,000. O. B. Larson, secy.

Ia., Iowa City—Psychopathic—State Bd. Educ., Des Moines, having plans prepared for 2 story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on University campus, here. About $175,000. Private plans.

Ia., Treynor—School—Bd. Educ. having plans prepared by W. E. Hulse & Co., archts., 210 Masonic Temple, Des Moines, for 3 story, rein.-con. and brick, concrete foundation. About $65,000.

Ia., Washta—School—Bd. Educ. having plans prepared by W. E. Hulse & Co., archts., 210 Masonic Temple, Des Moines, for 3 story, 58 x 102 ft., rein.-con., brick and stone, concrete foundation. About $100,000. J. K. McGonigae, secy.

Minn., Ada—High School—Bd. Educ. having preliminary plans prepared by Foss & Foss, archts., St. Cloud, for 3 story, 84 x 136 ft., brick. About $80,000. A. Jarvey, clk.

Minn., Boyd—High School—Bd. Educ. having plans prepared by Foss & Foss, archts., St. Cloud, for 2 story, 96 x 110 ft., brick and stone. About $55,000. O. J. Flaa, clk.

Minn., Coleraine—High School—A. King, secy. Bd. Educ., receives bids about March 1, building 2 story, 150 x 270 ft., rein.-con., brick and stone, rein.-con. flooring, concrete foundation, in Canisleo Dist. About $500,000. W. T. Bray, Torry Bldg., Duluth, engr. and archt.

Minn., Duluth—Church—S. T. Willis, chn. Bldg. Com. of 1st Christian Church, 4th St. and 12th Ave., receives bids about Feb. 1, building 2 story, 60 x 80 ft., brick, rein.-con. flooring, concrete and stone foundation. About $75,000. A. W. Terraberry, Palladio Bldg., engr. and archt.

Minn., Duluth—Store—German & Jensen, archts., Exch. Bldg., receive bids about Jan. 15, building 3 story, 50 x 140 ft., brick, rein.-con. flooring, rein.-con. foundation, at 12-14 1st Ave., W. for E. Oreck, Superior St. and 1st Ave. W. About $50,000.

Minn., Lewiston—School—Independent Dist. 22 plans to build 2 story, brick and stone. About $75,000. W. F. Gensmer, clk. Architect not selected.

Minn., Minneapolis—Club—South Central Community Club, 4055 Pillsbury Ave., having preliminary sketches prepared by Gottlieb & Maganey, archts., 450 Builders Exch. Bldg., for 3 story, 180 x 190 ft., rein.-con. and brick, on Nicollet Ave. and 39th St. About $400,000. E. W. Cameron, pres.

Minn., Minneapolis—Store—L. S. Donaldson Co., 601 Nicollet St., having sketches prepared by Graham, Anderson, Probst & White, 1417 East Jackson Blvd., Chicago, for 6 story, rein.-con., brick and stone addition, on 7th St. and Marquette Ave. About $800,000.

Minn., St. Paul—Court House—Ramsey Co. plans to build court house, on block bounded by 3rd, 4th, Wabasha and St. Peter Sts. About $2,500,000. J. M. Clancy, co. bldg. inspector.

Kan., Mayetta—School—Bd. Educ. plans to build 2 story, brick, concrete and steel, concrete foundation. About $55,000. H. D. Pampel, Kansas City, Mo., archt.

Kan., Salina—Home—Salvation Army having plans prepared by C. W. Shaver, archt., Salina, for 2 story, 50 x 80 ft. brick, concrete and steel, brick foundation. About $60,000.

Kan., Topeka—Club—Womens' Club having plans prepared by F. C. Squire, archt., 628 Kansas Ave., for 3 story, 75 x 100 ft. brick, concrete and steel, brick foundation. About $75,000.

Kan., Wichita—Office—See "Industrial."

S. D., Webster—School—Bd. Educ. having preliminary plans prepared building 2 story, 94 x 140 ft. brick and rein.-con. About $145,000. O. Magnus, clk. Edwins & Edwins, 810 Northwestern Bank Bldg., Minneapolis, archts.

Mo., St. Louis—Hospital and Asylum—Sisters of Charity plan to build hospital and asylum, brick, rock foundation, on Page and Union Aves. About $100,000. J. J. Glennon, 3225 Montgomery St., archbishop. Architect not selected.

Mo., St. Louis—Club—St. Louis Riverview Club, 6500 South Bway., receives bids about Jan. 1, building club and concrete swimming pool, on Mississippi River. About $100,000. Address C. P. Van Graefeland, 11050 Riverview Dr.

Mo., St. Louis—Sales—Nash Motors Co., 3205 Locust St., plans to build 2 story, 100 x 135 ft., concrete and brick, rock foundation, on Locust and Garrison Sts. About $50,000. Architect not selected.

Mo., University City (St. Louis P. O.)—School—L. T. Ward, pres. Bd. Educ., receives bids about Feb. 5, building 3 story, 175 x 225 ft., concrete and brick, rock foundation, on Bartmer and Etzel Sts. About $120,000. W. B. Ittner, Bd. Educ. Bldg., St. Louis, archt. W. Huenbuettner, University City, engr.

Tex., Galveston—F. B. & A. Ware, archts., 1170 Bway., New York City, receive bids about Dec. 15, building 3 story, 110 x 140 ft. rein.-con., steel and tile building for Y. W. C. A., here. About $125,000. L. E. Eden, 1170 Bway., New York City, engr.

Tex., San Antonio—Church—Methodist Church, Grant Ave. and Hylsache St., plans to build brick and stone. About $60,000. Adams & Adams, Gibbs Bldg., archts.

Okla., Mangum—High School and Auditorium—Bd. Educ. having plans prepared by Hawk & Parr, archts., 501 Security Bldg., Oklahoma, for 2 story, 80 x 114 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $140,000.

Okla., Oilton—Church—Baptist Church plans to build church. About $75,000. Architect and engineer not selected.

Okla., Pawhuska—High School—City election Dec. 23, to vote on $50,000 bonds to build addition to high school.

Okla., Tulsa—High School—City election soon to vote on $600,000 bonds to build high school. Architect and engineer not selected.

Okla., Kaw City—Community—Booster Club plans to build community house, to include auditorium, dining hall and recreation rooms. About $50,000. Architect and engineer not selected.

Colo., Alamosa—High School—School Dist. No. 3, Alamosa Co., having plans prepared by Mountjoy, French & Frewen, archts., 313 Chamber of Commerce Bldg., Denver, for 2 story, 120 x 140 ft. brick and stone. About $85,000.

Colo., Florence—High School—School Dist. No. 2, Fremont Co., having plans prepared by Mountjoy, French & Frewen, archts., 313 Chamber of Commerce Bldg., Denver, for 2 story, 120 x 140 ft. brick and stone. About $100,000.

Idaho, Caldwell—Lodge—I. O. O. F. Grand Lodge of Idaho, 7th and Main Sts., plans to build 2 story, brick or stone, brick or concrete foundation, on Canyon Hill. About $60,000. Tourtellotte & Hummel, McKay Bldg., Portland, Ore., archts.

Wash., Olympia—Office and Court House—State Capitol Comn. having plans prepared by Wilder & White, archts. and engrs., 50 Church St., New York City, for 3 office buildings and court house, here, all brick, steel and stone. About $500,000.

Ore., Astoria—Hospital—Finnish Brotherhood, Lodge No. 2, having preliminary plans prepared for 2 or 3 story, brick or concrete. About $100,000. S. Lonberg, grand secy. Architect not selected.

Buildings (Continued)

Ore., Bend—Temple—Bend Lodge of Elks plans to build 2 story, brick or concrete, brick and concrete foundation, on Oregon St. About $50,000. Architect not selected.

Ore., Forest Grove — Administration — Masonic Lodge having plans prepared by W. C. Kingston, U. S. Bank Bldg., Portland, for 2 or 3 story, brick or stone. About $85,000. W. T. Moore, chn. com. in charge.

Ore., Gearhart—Hotel—Gearhart Park Co. plans to build hotel, on beach. About $250,000. O. W. Taylor, mgr.

Ore., LaGrande—Hotel—M. Block, archt., LaGrande, soon lets contract building 3 story, 75 x 125 ft., brick, brick foundation. About $75,000. Owner's name withheld.

Ore., Myrtle Point — Business — Security Bank Co. plans to build 2 story, brick or concrete, on present site. About $70,000. Architect not selected.

Ore., North Bend — High School — Bd. Educ., North Bend and Marshfield Dists., having preliminary plans prepared for Union High School, brick or concrete. About $150,000. C. E. Mulkey, North Bend, Coos. Co. supt. schools.

Ore., Oregon City — Church — Methodist Church having preliminary plans prepared for rebuilding 1 story, concrete, concrete foundation. About $225,000. T. B. Ford, dist. supt. Architect not selected.

Ore., Portland — Club — J. Jacobberger, archt., Bd. Trade Bldg., soon lets contract building 4 story, 50 x 100 ft., brick and concrete, on Park and Taylor Sts., for Knights of Columbus. About $100,000. Noted Sept. 25.

Cal., Avalon—Store and Hotel—Boos Bros., 440 South Hill St., Los Angeles, plan to build 4 story, 200 x 200 ft. rein.-con., pressed brick and terra cotta, here. Cost to exceed $50,000. C. F. Plummer, 1108 Story Bldg., Los Angeles, archt.

Cal., Long Beach—City Hall—City voted $350,000 bonds to build city hall, and selected W. H. Austin, 222 1st Natl. Bank Bldg., and H. H. Lochridge, Moody Bldg., archts., to prepare plans for same. H. G. Waughop, clk.

Cal., Los Angeles—School—Bd. Trustees, 607 Chamber Commerce Bldg., soon lets contract building 1 story, 102 x 114 ft., brick and hollow tile, in Fruitland School Dist. Cost to exceed $50,000. H. Hasenburger, 607 Chamber Commerce Bldg., archt.

Cal., Los Angeles—Theatre—S. Grauman, 301 South Bway., having plans prepared by T. W. Lamb, archt., 644 8th Ave., New York City, for 154 x 240 ft., rein.-con. and steel, on 6th and Hill Sts. About $2,000,000. Noted Sept. 4.

Cal., Los Angeles — Theatre — J. Young, c/o C. S. Albright, archt., 5910 Hollywood Blvd., plans to build 2 story, 60 x 160 ft., brick, marble and tile, cement flooring, concrete foundation, on Holywood Blvd. near Wilton Pl.

Cal., Pasadena—Theatre—J. M. Root, mgr. Strand Theatre, plans to build rein.-con theatre, (2500 seating capacity), on Colorado St. About $250,000.

Cal., Sacramento—Schools—City voted $3,500,000 bonds for 14 new schools. R. A. Herold, Forum Bldg., E. C. Hemmings, Strand Theatre Bldg., archts., and others, have been selected by Bd. Educ. to design same.

Cal., San Pedro—Bank and Office—First Natl. Bank of San Pedro having plans prepared by Edelman & Barnett, archts., 826 W. W. Hellman Bldg., Los Angeles, for 2 story, 50 x 100 ft., brick, steel and terra cotta, concrete foundation. About $100,000.

Cal., Santa Barbara — Hospital — St. Francis Hospital, East Arrellaga St., plans to build 3 story hospital, 200 ft. long, with two 2 story wings, rein.-con. About $175,000. Architect not selected.

Cal., Santa Monica—Mausoleum—Rosedale Mausoleum Co., Hass Bldg., Los Angeles, plans to build 610 crypts, rein.-con., granite facing, concrete foundation, at Woodlawn Cemetery, here. About $125,000.

Cal., Taft—Church, Community Center, etc.—First Methodist Episcopal Church having plans prepared by A. G. Lindley, archt., 904 Wright & Callender Bldg., Los Angeles, for 80 x 82 ft., frame and stucco church, 60 x 80 ft. community center, with concrete plunge, etc. About $75,000.

N. S., Digby—Station—Dominion Atlantic Ry., Kentville, soon receives bids building concrete and brick station, here. About $65,000. M. K. McQuarrie, engr.

Ont., Kitchener — College — Kitchener-Waterloo Collegiate Bd. soon lets contract building (20 room), brick, concrete and steel, rein.-con. flooring, concrete foundation. About $400,000. Architect not selected.

Ont., Ottawa—City Hall—City plans to construct fireproof building. About $500,000. Architect not selected.

B. C., North Vancouver—School—City plans election soon to vote on bonds to build 3 story, rein.-con., on Lynn Valley St. About $80,000. H. Blackadder, Carisbrook St., E., archt.

BIDS DESIRED

Mass., Lowell—High School—Until Jan. 19, by School Comn., building 3 story, brick and rein.-con. addition to High School, on Kirk St. About $750,000. H. L. Rourke, 525 Hildreth Bldg., engr.

Mass., Three Rivers—School—Until Dec. 15, by Palmer Twp. School Comn., building 1 story (6 room) brick and concrete, school and assembly hall, concrete foundation, here. About $55,000. W. H. McLean, 110 Tremont St., Boston, archt.

Conn., Waterbury—Hospital—Until Dec. 15, by Cross & Cross, archts., 681 5th Ave., New York City, building brick and steel, for Bd. Health. About $200,000. Noted July 31.

N. Y., Onondago Valley (Syracuse P. O.) Academy—Until May 15, by M. L. King, archt., Snow Bldg., Syracuse, constructing school for town, to be known as Onondago Academy. About $325,000. Noted May 1.

Pa., McKeesport—Until Jan. 3, by Jallade & Lindsey, archts. and engrs., 37 Liberty St., New York City, building 4 story, 112 x 170 ft., brick and steel, brick foundation, on Sinclair and Ringgold Sts., for Y. M. C. A., 2 West 45th St., New York City. About $300,000. Former bids rejected.

Pa., Phila. — Bank — Mutual Trust Co., Bourse Bldg., receiving bids building 1 story, 23 x 96 ft. brick and stone, on Market and 60th Sts. Cost to exceed, $50,000. Former bids rejected. Heacock & Hohansen, 1218 Chestnut St., engrs. and archts.

Pa., Phila.—High School—Until Dec. 15, by P. Monaghan, archt., 1218 Chestnut St., building 3 story, 49 x 125 ft., stone, on 49th and Chestnut Sts., for West Philadelphia Catholic High School.

Pa., Waynesboro—Bank—Until Dec. 15, by People's Natl. Bank, 31 West Main St., building 1 story, 53 x 115 ft., limestone, Wyatt & Nolting, Keyser Bldg., Baltimore, archts.

Ga., Albany—Masonic Temple—Until Dec. 18, by R. H. Ferrell, pres. Masonic Lodge, constructing and heating of temple here. Each bid for construction of building must be accompanied with certified check of $5000, and each bid for heating with check of $1000, made payable to R. H. Ferrell, pres. Edwards & Sayward, 609 Chamber of Commerce Bldg., Atlanta, archts. Noted June 26.

Ind., Indianapolis — High School — Until Dec. 20, by G. C. Hill, business dir. bd. school comrs., Meridian and Ohio Sts., building 3 story, brick and rein.-con. About $700,000. Snider & Rotz, Merchants Bank Bldg., engrs. Vonneful, Bohn & Miller, Indiana Trust Bldg., archts.

Mich., Detroit—Schools—Until Dec. 22, by Bd. Educ. building Field School No. 1154, on Agnes and Field Aves., cost $200,000; Davison School No. 1147, Roman near Davison Aves., $200,000; also 2 story, 85 x 134 ft., rein.-con., brick, steel and terra cotta, on Vancourt and Milford Aves., $250,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts. Noted Aug. 21.

Ill., Jacksonville—High School—Until Jan. 15, by Bd. Educ., School Dist. No. 117, building high school. J. W. Royer, Flat Iron Bldg., Urbana, archt.

Wis., Bloomer—High School—Until Jan. 1, by C. Volkman, archt., 106½ Grand Ave., E., Eau Claire, building 2 story, 60 x 120 ft. brick, rein.-con. and steel, brick foundation, on Main St., for Bd. Educ. About $70,000. T. Preucher, pres. Noted May 15.

Wis., Kenosha—Court House and Jail—Until Jan. 10, by T. Fleming, chn. Kenosha Co. Bldg. Com., constructing 4 story, 114 x 154 ft. rein.-con., brick and steel, concrete foundation. About $800,000. White, White, White & Co., Pub. Serv. Bldg., archts. and engrs.

Ia., Gaza—School—Until Jan. 5, by Bd Educ., Consolidated Dist., building 2 story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $75,000. W. E. Hulse & Co., 210 Masonic Temple, Des Moines, archts.

Ia., Mt. Pleasant—High School—Until Dec. 30, by C. Van Russell, secy. Bd. Educ., converting Y. M. C. A. building into high school. About $80,000. G. L. Lockhart, Endicott Bldg., St. Paul, Minn., archt. Noted Sept. 11.

Ia., Woodbine—School—Until Jan. 3, by Bd. Educ. Consolidated Dist., building 3 story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $100,000. W. E. Hulse & Co., 210 Masonic Temple, Des Moines, archts.

Minn., Austin—Jail—Until Dec. 17, by Comrs. Mower Co., building 2 story, 44 x 50 ft., rein.-con. and brick addition. About $52,000. Alden & Harris, Exch. Bank Bldg., St. Paul, archts.

Minn., Duluth—Church—Until Jan. 2, by T. D. Whittles, chn. bldg. com. of 2nd Presbyterian Church, building 2 story, 70 x 134 ft., brick and stone, rein.-con. flooring, concrete foundation, on West 2nd St. About $100,000. Halstead & Sullivan, Palladio Bldg., archts.

Minn., Lafayette—School—Until Dec. 22, by F. V. Quist, clk. School Dist. No. 66, building 2 story, 64 x 90 ft., brick. About $65,000. K. T. Snyder, Plymouth Bldg., Minneapolis, archt.

Kan., Atchison—School—Bd. Educ. receiving bids building 2 story, 88 x 90 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $65,000. R. J. Kaaz, 719 Kansas Ave., archt. H. A. Noble, Kansas City, Mo., engr.

S. D., Meckling—School—Until Dec. 17, by Bd. Educ., building 2 story, 58 x 100 ft. brick, concrete and steel, concrete foundation. About $65,000. W. E. Hulse, Hutchinson, Kan., archt.

Mo., St. Louis—Temple—Until Jan. 20, by W. B. Ittner, archt., Bd. Educ. Bldg., constructing 8 story, 175 x 210 ft., concrete, brick and terra cotta, rock foundation, on Clayton Rd., for Masonic Temple Assn. of St. Louis. About $1,000,000. Address D. Jameson, 5330 Pershing Ave.

Colo., Boulder — Domitories — Until Dec. 31, by F. H. Walcott, secy. Bd. of Regents, 526 Kittredge Bldg., Denver, building 32 x 193 ft. and 58 x 162 ft., brick, steel and stone, rein.-con. flooring, concrete foundation, at university here. About $250,000. Fay & Klauder, 925 Chestnut St., Phila., archts.

Ariz., Chandler — School — Until Dec. 27, by A. T. Morgareidge, clk. High School Dist., constructing 3 brick buildings. About $130,000. Allison & Allison, Hibernian Bldg., Los Angeles, Cal.; archts.

Cal., Santa Monica—School—Until Dec. 22, by Bd. Educ. building 6 room brick addition to McKinley School, also 4 room brick addition to Adams School. About $100,000. Allison & Allison, Hibernian Bldg., Los Angeles, archts.

B. C., Vancouver—Theatre—Until Jan. 1, by Regal Films, Ltd., 553 Granville St., building 4 story, 120 x 150 ft., steel, rein.-con. flooring, concrete foundation, on Seymour St. between Robson and Smythe Sts. About $500,000. T. Lamb, 644 8th Ave., New York City, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Vt., Bellows Falls—Bank—Bellows Falls Savings Institute let contract altering present bank, to G. C. Irwin & Co., 94 West Brookline St., Boston, Mass.

★Vt., Windsor — Housing, etc. — Natl. Acme Co. let contract constructing several 2½ story workmen's houses and addition to stock building, brick and timber, to L. A. LaFrance, 292 Maple St., Holyoke, Mass. About $250,000.

★Mass., Framingham — School — School Comn. let contract building 2 story, 115 x 225 ft., brick, concrete and steel, brick and concrete foundation, on Hollis St., to J. E. Locatelli Co., Inc., 46 Churchill St., Boston. About $170,000.

★Mass., Holyoke—Theatre and Business—Goldstein Bros. Amusement Co., Bridge St., Springfield, let contract building 3 story, brick, rein.-con. and steel, rein-con. flooring, concrete foundation, on Suffolk and Chestnut Sts., here, to Casper Ranger Constr. Co., 20 Bond St. About $350,000.

Buildings (Continued)

★**Mass., Malden**—Church—Christian Science Society let contract building 37 x 75 x 97 ft., terra cotta and concrete, on Main St., to H. F. Libby, 46 Churchill St., Boston. About $55,000.

★**Mass., Milton** (Boston P. O.)—Chapel—Milton Academy let contract building 1½ story, 30 x 100 ft., stone and concrete, rein.-con. flooring, on campus, to E. F. Miner Bldg. Co., 25 Foster St., Worcester. About $100,000.

★**Mass., Springfield** — High School — St. Michael Cathedral, Elliott St., let contract building 2 story, 80 x 148 ft., brick and steel, concrete flooring, to M. Moloney, 18 Bell Ave. About $175,000.

Mass., Waban (Boston P. O.)—School—Pub. Bldg. Comn., Newton, received bids building 2 story, 110 x 150 ft., brick, concrete and steel, concrete flooring and foundation, here, from A. Piotti, 98 Melville Ave., Dorchester, $233,652; C. S. Cunningham & Sons Constr. Co., 7 Water St., Boston, $234,140.

★**Mass., Worcester** — Housing — Indian Hill Co., Barbers Crossing, let contract constructing 100 workmen's cottages, community house, memorial building, 2 boarding houses and community store building, timber, concrete foundation, also laying out several new streets, at Indian Hill, to F. T. Ley & Co., Inc., 499 Main St., Springfield. About $500,000.

★**Mass., Worcester**—School—Independent Industrial School, c/o Frost & Chamberlain, archts., 390 Main St., let contract building 3 story, 90 x 145 ft., brick, concrete foundation, on High and Chatham Sts., to J. Miles & Son, 393 Main St. About $150,000.

★**Mass., Worcester**—School—St. Peter's Roman Catholic Church, 929 Main St., let contract building 2½ story, 70 x 130 ft., brick, concrete and steel, concrete foundation, on Main and Ripley Sts., to M. Maloney, 18 Bell Ave., Springfield. About $125,000.

★**R. I., East Providence** (Providence P. O.)—Bank—Jackson, Robertson & Adams, archts., 1216 Turks Head Bldg., Providence, let contract to William & Merchant, Inc., 86 Weybossett St., Providence, building 1 story, 50 x 100 ft., brick and marble, concrete and tile flooring, concrete foundation, on Warren Ave., for Industrial Trust Co., 49 Westminster St., Providence. About $100,000.

★**R. I., Pascoag**—Church—St. Joseph's Roman Catholic Society, Sayles Ave., let contract building 1 story, to Eastern Constr. Co., 660 Winter St., Woonsocket. About $50,000.

★**R. I., Providence**—Business—Gladding Dry Goods Co., 291 Westminster St., let contract building 5 story, 30 x 65 ft., and 1 story, 80 x 80 ft. brick and steel addition, rein.-con. flooring, concrete foundation, to O. D. Purington & Co., 626 Industrial Trust Bldg. About $50,000.

★**Conn., Hartford** — Exchange — South New England Telephone Co., Court St., New Haven, let contract building 7 story, 40 x 105 ft., brick and steel addition, rock and concrete foundation, on Hicks St., here, to Ellison Constr. Co., 96 Wellington Ave. About $200,000; cost plus percentage basis.

Conn., Hartford—School—Bd. Educ. received bids Dec. 1, building 3 story, 87 x 87 ft., brick and concrete, wood flooring, concrete foundation, on Wethersfield Ave. (general contract), from Wise & Upson, Main St., $187,241; heating, from Vines, Smith, Hartford, $13,495; plumbing, from Hanlon & Murphy, 538 Asylum St., $6298.

★**Conn., South Manchester**—Business—Watkins Bros., Inc., 1119 Main St., let contract building 3 story, 71 x 152 ft., brick and steel, concrete foundation, to W. A. Knofla, Middle Turnpike. About $60,000.

★**Conn., West Haven**—(New Haven P. O.)—Office—See "Industrial Works."

★**N. Y., Lockport**—Bank—P. A. Davis, archt., 1713 Sansom St., Phila., let contract to G. A. Fuller Co., Buffalo, building 1 story, 50 x 60 ft., stone, here, for Natl. Exch. Bank, 45 Main St. About $50,000.

★**N. Y., New Rochelle**—Grade School—Bd. Educ. let contract building Washington Grade School, 3 story, brick, stone and steel, brick foundation, to E. Diebitsch, 383 Madison Ave., New York City. About $300,000.

★**N. Y., New York**—Bank, Office and Store—Bank of United States, 5th Ave. and 32nd St., will alter 11 story, brick and steel. About $50,000. Work will be done by day labor.

★**N. Y., New York**—Bank and Office—New Pine St. Realty Co., 31-33 Pine St., will alter 4 story, brick and steel. About $200,000. Work will be done by day labor.

★**N. Y., New York** — Hospital — Hahnemann Hospital, Park Ave. between 66th and 67th Sts., let contract building hospital on 5th Ave. between 105th and 106th Sts., to M. Eidlitz & Son, 30 East 42nd St. About $2,000,000.

★**N. Y., New York**—Hotel—D. H. Knott, c/o F. F. French Co., archts. and engrs., 299 Madison Ave., let contract building 14 story, 106 x 137 x 169 ft., brick and steel, brick foundation, on 73rd St. and Bway., to F. F. French Co., 299 Madison Ave. About $4,000,000.

★**N. Y., New York** — Hotel — Monterey Hotel, Bway. and 94th Sts., will build 62 x 100 ft., brick, steel and stone, brick foundation, on Bway. and 95th St. Work will be done by day labor.

★**N. Y., New York**—Office—J. J. Astor, London, Eng., let contract building 31 story, 66 x 99 ft., brick and steel, brick foundation at 8-12 Wall St., here, to R. H. MacDonald, 29 West 34th St. About $1,500,000. Noted Feb. 6.

★**N. Y., New York**—Office and Bank—Bankers Trust Co., 16 Wall St., let contract building 15 story, brick and steel, brick foundation, on 57th St., to R. H. MacDonald, 29 West 34th St. About $400,000.

★**N. Y., New York**—Office—Bush Terminal Co., 100 Broad St., let contract building 50 x 196 ft., addition, at 137-141 West 41st St., to Thompson-Starrett Co., 49 Wall St. About $450,000.

N. Y., New York—Office—F. F. French Co., 299 Madison Ave., will build 16 story, 50 x 75 ft., brick, steel and stone, brick foundation, on Madison Ave. and 41st St. Work will be done by day labor.

★**N. Y., New York**—Office—E. Margolies, 19 East 33rd St., will build 16 story, 56 x 150 ft., brick, steel and stone, brick foundation, at 309-311 5th Ave. About $450,000. Work will be done by day labor. Noted July 3.

★**N. Y., New York**—Office—U. S. Food Products Corp., 40 Exch. Pl., will alter 13 story, brick and steel, at 56-58 Pine St. About $60,000. Work will be done by day labor under supervision of A. Hershfeld, engr., 110 West 40th St.

★**N. Y., New York** — Theatre — Siber Amusement Co., 654 Lenox Ave., will build 1 story, 50 x 189 ft., brick and steel, brick foundation, on 145th St. and 7th Ave. About $50,000. Work will be done by day labor.

★**N. Y., New York**—Theatre—B. S. Moss, 729 7th Ave., let contract building brick, steel and stone, brick foundation, on Tremont Ave., to Fleischmann Constr. Co., 531 7th Ave. About $400,000.

★**N. Y., Syracuse**—Office and Loft—S. F. Hancock, O. C. C. S. Bldg., let contract building 3 story, 67 x 130 ft., brick, rein.-con. and steel, concrete foundation, on South Salina St., to T. H. McHale & Son, Cahill Bldg. About $77,000.

★**N. J., Bayonne**—Hospital—Bd. Dirs. Bayonne City Hospital let contract building brick, steel and stone addition to Franklin-Rocks, 354 West 24th St., New York City. About $250,000. Noted Sept. 25.

★**N. J., Washington**—Office—Globe Indemnity Co., 45 William St., New York City, will build 6 story, 100 x 200 ft., brick, steel and stone, brick foundation, on Washington St. About $400,000. Work will be done by day labor.

★**Pa., Phila.**—Bank, Post Office and Store—Lansdowne Natl. Bank let contract altering bank and building 1 story addition to be used as store and post office, brick and stone, to J. S. Wilson & Co., 1125 Brown St. About $50,000.

★**Pa., Phila.** — School — G. I. Lovatt, archt., 418 Walnut St., let contract to T. J. and J. R. Whelan, 1011 Chestnut St., building 2½ story, 113 x 210 ft., stone and steel, on Sanger and Jackson Sts., for St. Bartholomew's Roman Catholic Church, Wissinoming St.

★**Md., Baltimore**—Bath House—J. J. Carlin, Liberty Heights Ave., let contract building 1 story, 75 x 200 ft., brick and timber bath house, concrete foundation, and concrete swimming pool, at Liberty Heights Park, to J. Miller, c/o owner. About $100,000.

★**Md., Baltimore** — Theatres — Century Theatre Co., c/o C. E. Whitehurst, Park Axe, and Lexington St., let contract building 120 x 178 ft., at 18 West Lexington St., and 178 x 200 ft., at 1-21 Clay St., both 2 story, rein.-con., stone and marble, concrete foundations, to J. H. Miller Inc., Eutaw and Franklin Sts. Cost between $750,000 and $1,000,000. Noted Aug. 14.

★**Ga., Columbus** — Bank — Third Natl. Bank, 12th Ave., let contract altering brick, steel and stone, brick foundation, to Bedford Impvt. Co., Columbus. About $60,000.

★**Ga., Fitzgerald** — Bank — First Natl. Bank let contract building 2 story, brick, steel and stone, to Bedford Impvt. Co., Columbus. About $75,000.

★**Miss., Greensville**—City Hall—City let contract building brick and stone, to D. J. Anderson, Shaw, $57,650.

★**O., Bucyrus**—School—Bd. Educ. let contract building 1 story, 113 x 118 ft., brick, to W. W. Knecht, Bucyrus. About $70,000.

★**O., Cleveland** — Market — Euclid East 46th St. Market House Co. let contract building 1 story, 115 x 250 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on East 46th St. and Euclid Ave., to Kamp Bldg. Co., East 46th St. and Euclid Ave. About $200,000.

★**O., Cleveland** — Store, Office, Etc.—Cleveland Land & Securities Co., Cuyahoga Bldg., let contract constructing 10 story, 100 x 250 ft., store, office and garage, concrete, steel and brick, rein.-con. flooring, concrete foundation, on 102nd St. and Euclid Ave., to Crowell, Little Co., 1951 East 57th St. About $750,000.

★**O., Columbus**—Business—J. S. Ralston, pres. Ralston Steel Car Co., East Columbus St., let contract building 2 story, 28 x 187½ ft., stone and brick, on East Gay St., to D. D. Livingston, 1370 East Main St. About $50,000.

★**O., Columbus**—Store—W. C. Moore, 270 South High St., let contract remodeling building on High and Cherry Sts., to D. D. Livingston, 1370 East Main St. About $50,000. Part of contract is on percentage basis.

★**O., Columbus** — Theatre — James Bldg. Co., 31 West Broad St., let contract building 5 story, 104½ x 187½ ft., steel, brick, stone and terra cotta, to Longacre Constr. Co., 180 North State St., Chicago. About $700,000. Noted June 26.

O., Dayton — Sales — See "Industrial Works."

★**Mich., Lansing**—Administration—Oldsmobile Div., Gen. Motors Corp., Isaac St., let contract building 4 story, 50 x 300 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Isaac and Logan Sts., to H. G. Christman Co., 302 Union Trust Bldg., South Bend, Ind. About $533,000.

Ill., Chicago—School—Bd. Educ. received bids for masonry work for building 3 story, 125 x 175 ft., brick, concrete, stone and steel, rein.-con. flooring, on Sacramento Blvd. and Berteau St., from F. Burke, $129,300, S. N. Nielsen & Co., 3059 Augusta St., $141,856, A and E. Anderson Co., 19 South La Salle St., $147,995; cut stone work, from J. A. Hagan, 1620 South Laramie Ave., $56,950, E. E. Skoglund, 5555 North Lincoln St., $64,935, Simpson & Davison, 2808 South Troy St., $75,416; structural iron work, from Hansell-Elcock Co., Archer and Normal Aves., $50,202, Vanderkloot Steel Wks., 2611 South Halsted St., $53,930, Wendnagel & Co., 600 West 22nd St., $57,868; carpentry, from B. J. Regnell Co., 19 South La Salle St., 53,794, H. Schrik & Co., 3722 West Chicago Ave., $53,854, Hanson Bros. Co., 127 North Dearborn St., $56,280.

★**Ill., Chicago**—Office—W. Wrigley, Jr., 5 North Wabash Ave., let contract building 16 story, 138 x 160 ft., steel and tile arch., concrete foundation, at 400 North Michigan Ave., to Lanquist & Illsley Co., 1100 North Clark St. About $2,000,000.

★**Ia., Cedar Rapids** — Office — Cedar Rapids Comn. Co. let contract building 3 story, 60 x 140 ft. brick, concrete and steel, brick foundation, to Loomis Bros., 319 South 3rd St. About $75,000.

Buildings (Continued)

★Ia., **Council Bluffs**—School—Bd. Educ. let contract building 2 story, rein.-con. and brick, rein.-con. flooring, concrete foundation, to J. Wickham Constr. Co., 19 Scott St., $332,750.

Ia., **Des Moines**—School—School Bd. received bids Nov. 21, building 1 story, 62 x 122 ft., rein.-con., brick and stone, rein.-con. flooring, brick foundation, on Southwest 30th and Park Sts., from J. E. Tusant & Sons Co., 583 7th St., $52,855; J. E. Howard, 3701 6th St., $53,502; N. D. Garmer, 1237 39th St., $55,850. Noted June 19.

★Ia., **Iowa City**—Hospital—Mercy Hospital, 516 East Market St., let contract building 1 story, 57 x 132 ft. brick, concrete and steel addition, rein.-con. flooring, concrete foundation, to J. W. Hopp Constr. Co., 403 Granby Bldg., Cedar Rapids. About $55,000.

★Ia., **Spencer**—Hotel—Spencer Hotel Co. let general contract building 4 story, 60 x 115 ft. brick and stone, rein.-con. flooring, concrete foundation, to Spencer Constr. Co., Spencer. About $129,500.

★Minn., **Hibbing**—Hotel—S. S. Rumsey, archt., Wolvin Bldg., Duluth, let contract to C. F. Haglin Sons Co., Minneapolis, building 4 story, 125 x 135 ft., brick, rein.-con. foundation, on Howard St., for Oliver Mining Co., Wolvin Bldg., Duluth. About $375,000.

Minn., **Willmar**—Service—State Bd. Control, Capitol, St. Paul, received lowest 3 bids Dec. 2, building 3 story, 50 x 120 ft., rein.-con., brick and stone, at State Hospital for Insane, here, from J. H. Olson, Willmar, $77,756; E. Bjorklund, 786 Como Blvd., St. Paul, $82,600; J. Peterson, 3152 10th Ave., S., Minneapolis, $83,400.

★Kan., **Wichita**—School—J. L. Leland, secy. Bd. Educ., let contract building Roosevelt Intermediate School, 3 story, 97 x 248 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to Hamler & Hamilton, Wichita, $207,144. Noted July 3.

★Neb., **Grand Island**—School—Bd. Educ. let contract building Jefferson School, 2 story, 52 x 70 ft., to R. G. Isdell, Grand Island. About $55,000; cost plus percentage basis. Noted Aug. 7.

★N. D., **Ashley**—Courthouse—McIntash Co. let contract building 2 story, 56 x 75 ft., to Garcleson & Ness, Minot. $74,365.

★Mo., **St. Louis**—Hotel—Claridge Hotel Co., 315 North 18th St., let contract building 11 and 12 story, 75 x 155 ft., brick, stone and terra cotta, rock foundation, on 18th and Locust Sts., to Claridge Hotel Bldg. Co., 901 Washington St. About $500,000.

★Mo., **St. Louis** — Office — See "Industrial Works."

★Tex., **Eastland** — City Hall — City let general contract building city hall to J. M. Morgan, Big Springs, $83,815.

★Colo., **Denver**—Office—State let contract building 5 story, on Colfax Ave and Sherman St., to Seerie & Varnum, Interstate Trust Bldg. About $457,000.

★Idaho, **Nampa**—Natatorium—P. R. Randall and associates will build 2 story, 72 x 126 ft., brick and frame, concrete foundation. About $50,000. Work will be done by day labor.

Cal., **Arcadia**—School—Trustees Arcadia School Dist. received bids building 1 story, 60 x 180 ft., hollow tile and stucco, concrete foundation, from Daniels & Farris, 307 North Eleanor St., Pasadena, $52,715, J. Simpson Co., Grant Bldg., Los Angeles, $54,500, Willahr-Brent Co., Baker-Detwiler Bldg., Los Angeles, $54,899.

★Cal., **Long Beach**—Hotel—Seaside Investment Co. let contract building 4 story addition to Virginia Hotel (150 rooms), rein.-con., on Ocean Front, to C. T. McGraw, 1345 West Ocean Ave. About $125,000.

★Cal., **Burbank**—School—Bd. Educ. let carpentry and concrete contract for (10 room) concrete and brick, brick foundation, to P. A. and F. B. Farley, Burbank, $51,730, masonry, to H. Reimeos, Los Angeles, $17,900.

★Cal., **Los Angeles**—Mausoleum—Rosedale Mausoleum Co., Haas Bldg., let contract building 1720 crypts, 95 x 308 ft., rein.-con., concrete foundation, to Milwaukee Bldg. Co., Wright & Collender Bldg. About $200,000.

Cal., **Los Angeles**—Nurses' Homes—Bd. Supervs. Los Angeles, received bids building six 1 story, brick and timber, concrete foundation on county hospital grounds, from F. R. Johnson, H. W. Hellman Bldg., $91,865, R. S. Martin, 509 North Marguerita Ave., Alhambra, $95,950, C. L. Edinger, Los Angeles, $111,095.

★Cal., **Pasadena**—School—Bd. Educ. let contract building 2 story, brick, on W. McKinley School Site, to Daniels & Farris, Passadena. About $106,000.

★B. C., **Vancouver**—Theatre—Allen Theatres, Inc., Toronto, let contract building 4 story, 75 x 120 ft., steel, concrete, brick and terra cotta, rein.-con. flooring, concrete foundation, on Georgia and Seymour Sts., to A. McDonald, 82 Leigh Spencer Bldg. About $300,000.

Federal Government Work

PROPOSED WORK

N. Y., New York—Dredging—U. S. Eng. Office, 39 Whitehall St., soon receives bids for maintenance dredging in Shoal Harbor and Compton Creek, N. J.

N. Y., New York—Widening Channel—U. S. Eng. Office, 39 Whitehall St., plans to widen channel in Newark Bay to 400 ft. from Kill von Kill to upper limit of bay and dredge side channel 400 ft. wide and 20 ft. deep from bay channel to pier headline, to connect with Port Newark Channel, N. J.

N. J., Cape May—Dirigible Hangar—Spec. 4080—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon receives bids altering and building addition to dirigible hangar, 708 ft. long, 155 ft. wide and 113 ft. high from floor to center, pin of arch at Naval Air Sta. and dismantling, 100,000 cu.ft. capacity gas holdes at Montauk, L. I., and transferring and storing here.

Pa., Emsworth—Dam—U. S. Eng. Office, War Dept., Wash., D. C., soon receives bids building dam at Lowery Run Culvert, also 2 locks, one 600 ft. long by 110 ft. wide and other 360 ft. long by 66 ft. wide. About $2,000,000 available.

Pa., Phila.—Extending Launching Ways—Spec. 4099—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to extend launching ways, Slip No. 3, here. About $25,000.

Pa., Pittsburgh—Lock and Dam—U. S. Eng. Office, Pittsburgh, having revised plans prepared for lock and dam No. 4, continue test borings to determine character of river bed at Schenley, decide location of Lock and dam No. 5. Bids will be received in January. Noted Sept. 11.

Pa., Pittsburgh—River Improvement—U. S. Eng. Office, War Dept., Wash., D. C., plans to improve Ohio River, below here.

Md., Annapolis — Water Tanks and Towers—Spec. 4103—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build one 2000 and one 12,000 gal. steel water tanks with 67 ft. steel tower and appurtenances, at Naval High Power Radio Sta., Greenbury Point, here. About $5500; $10 deposit required for plans and spec.

D. C., Wash.—Skylights—Spec. 4100—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to build skylights in erecting shop Bldg. No. 32. About $6000.

Va., Alexandria—Partitions—Spec. 4098—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to build in Torpedo Assembly Plant, here. About $25,000.

Va., Norfolk—Dispensary—Spec. 4101—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here. About $25,000.

Mich., Detroit—Dredging—U. S. Eng. Office, Detroit, rejected bids received Nov. 1., dredging in Beach Harbor.

Ill., Rock Island—Dredging—U. S. Eng. Office, War Dept., Wash., D. C., plans to dredge South Slough, near Milan.

Mo., St. Louis—Earthwork—Mississippi River Comn., 1311 International Life Bldg., rejected bids received Nov. 17, building 120,000 cu.yd. earthwork in East Cape Girardeau and Clear Creek D. D., Ill., same being too high.

Mo., St. Louis—Office—H. Bartholomew, engr., City Hall, soon receives bids constructing Federal Bldg. on 4th and Chestnut Sts., here, for Treas. Dept., Wash., D. C. About $1,000,000.

Cal., San Diego—Additional Buildings—Spec. 4102—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build at Marine Corps Base, here. About $15,000.

Cal., San Diego—Building—Spec. 4047—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Nov. 26, constructing 1 story central building, covering 30,000 sq.ft. floor space, consisting of power house at center with ell shaped east and west wings for housing utilities, at Marine Corps Base, here. About $200,000.

P. R., San Juan—Dredging—U. S. Eng. Office, 39 Whitehall St., New York City, having preliminary plans prepared for dredging 5,122,000 cu.yd. from inner harbor and depositing same on swamp lands, here. Not decided whether work will be contracted for or done by hired labor.

BIDS DESIRED

N. Y., Stapleton—Electric Elevators—Until Dec. 30, by Treas. Dept., Wash., D. C., installing 2 electric elevators in kitchen and mess hall, at U. S. Marine Hospital, here. J. A. Wetmore, superv. archt.

Pa., Phila.—Cranes—Spec. 4092—Until Dec. 23 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., building two 5-10 ton hammer head cranes, here. Cost $100,000; $10 deposit required for plans and spec.

Va., Norfolk—Cranes—Spec. 4092—Until Dec. 23 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., building one 5-10 ton hammer head crane, here. About $50,000; $10 deposit required for plans and spec.

O., Toledo—Remodeling Custom and Court Houses—Until Dec. 30, by Treas. Dept., Wash., D. C., remodeling Custom and Court Houses, here. J. A. Wetmore, superv. archt.

P. R., Rincon—Tower and Dwelling—Until Feb. 2, by Lighthouse Supt., San Juan, building, for Point Jiguero Light Sta., here; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Hingham — Officers' Quarters — Spec. 4056—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Nov. 26, building at Naval Ammunition Depot, here, from Coleman Bros., 1 Marginial St., Chelsea, $22,400 (180 days); G. Howard, Brockton, $22,710 (165 days).

★N. Y., **Brooklyn**—Elevator—Spec. 4046—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing electric freight elevator in Bldg. "F", at hospital, here, to Otis Elevator Co., Metropolitan Bank Bldg., Wash., D. C., $3933 (70 days).

★N. Y., **New York**—Alterations to Rooms—Treas. Dept., Wash., D. C., let contract altering rooms at U. S. Custom House, here, to C. F. Mentzinger & Son, 354 Bway., $2572.

★N. Y., **New York**—Dredges—U. S. Eng., Office, 39 Whitehall St., let contract building 2 dipper dredges for East River, to V. R. Browning & Co., 17,701 Lake Shore Blk., Cleveland, O. About $1,165,000.

★N. Y., **New York**—Dredging—U. S. Eng. Office, 39 Whitehall St., let contract dredging in channel between Staten Island and Hoffman and Swinburne Islands, to P. S. Ross, 277 Washington St., Jersey City, N. J., $122,472.

★N. Y., **New York**—Flooring—Spec. 3705—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract for asphalt block flooring in light machine and electrical shop Bldg. No. 5, to Fleming, O'Brien & McEntegart, 401 West 59th St., $27,072 (40 days).

Pa., Lewistown — Post Office — Treas. Dept., Wash., D. C., received bids Nov. 20, for labor for building, here, from O. Gerlach, 14 North Water St., Frostburg, Md., $28,400; P. F. Gibbon, 1620 North Main Ave., Scranton, $35,421.

★D. C., **Wash.**—Walks—U. S. Eng. Office, War Dept., Wash., D. C., let contract building concrete walks, etc. at court house in Judiciary Park, here, to C. H. Tompkins, 1883-3rd St., $10,612.

Va., Norfolk—Quay Wall—Spec. 4044—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Nov. 26, building, here, (1) work complete, from H. P. Converse Co., 88 Broad St., Boston, Mass., (1) $71,053 (120 days), (2) add $36 deduct $8.50, (3) add $.65 deduct $.05, (4) add $75 deduct $35, (5) add $1.26 deduct $.10

Federal Government Work (Continued)

S. C., Charleston—Pump Well—Spec. 4089—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids Nov. 26, building pump well for Dry Dock No. 2, consisting of concrete structure, 204 ft. long, 87 ft. deep and 48 ft. 3 in. wide, etc., (1) work complete, from H. P. Converse, 88 Broad St., Boston, Mass., (1) $765,583 (360 days), (2) $.70, (3) $1.50, (4) $.06, (5) $100, (6) $.04, (7) $.06, (8) $.0275, (9) $.025, (10) $18; Underpinning & Foundation Co., 290 Bway., New York City, (1) $850,000 (300 days), (2) $1.50, (3) $.50, (4) $.08, (5) $200, (6) $.06, (7) $.06, (8) $.035, (9) $.03, (10) $20; Arnudel Corp., 409 Finance Bldg., Phila., Pa., (1) $883,000 (360 days), (2) $.70, (3) $1.40, (4) $.07, (5) $200, (6) $.015, (7) $.09, (8) $.028, (9) $.037, (10) $18.

★**Ga., Brunswick**—Dredging—U. S. Eng. Office, War Dept., Wash., D. C., let contract dredging in Academy Creek, Brunswick Harbor, here, to J. W. Fitzgerald, Natl. Bank Bldg., Savannah. About $2,250,000.

★**Fla., Jacksonville**—Dredging— U. S. Eng. Office, Jacksonville, let contract dredging and removing rocks in Sarosota Bay, to Seaboard Dredging Co., Durkee Bldg. Cost $128,930.

★**O., Cincinnati**—Hoistway and Hydraulic Lift—Treas. Dept., Wash., D. C., let contract installing hoistway and hydraulic lift in U. S. Custon House and post office building, here, to D. Gordon Bldg. & Constr. Co., 734 West 7th St., $10,000.

★**Mich., Alpena**—Radio Building—Spec. 4066—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing brick and timber, wood flooring, concrete foundation, here, to Bradford Lumber & Planing Mill Co., Alpena, $9294 (210 days).

Mich., Detroit — Dike Reconstruction — U. S. Eng. Office, 337 Federal Bldg., received bids improving channel at St. Clair Flats Ship Canal by (1) removing 7270 lin.ft. old revetment and old crib, (2) dredging 165,000 cu.yd. sandy material, (3) furnishing and placing 20,000 ton riprap, from Dunbar & Sullivan, 2211 Dime Bank Bldg., (1) $2 per lin.ft., (2) $.18 per cu.yd., (3) $2 per ton, total $84,240; T. L. Durocher, De Tour, (1) $2.25, (2) $.23, (3) $2, $94,308; Duluth Superior Dredging Co., foot of West 45th Ave., Duluth, Minn., (1) $3.65, (2) $.33, (3) $2.10, $122,986.

Mich., Harbor Beach—Harbor Improvements—U. S. Eng. Office, 337 Federal Bldg., Detroit, received bids dredging main entrance to harbor to project depths of 21 and 23 ft, involving (1) 217,000 cu.yd. of sand, hard clay and shale with allowance over depth of 97,000 cu.yd., (2) Sect. A, 100,000 cu.yd., (3) Sect. B, 117,000 cu.yd., from M. Sullivan, 179 Iriquois Ave., Detroit, (1) $120,310, (2) $.70 per cu.yd., (3) $.43 per cu.yd.; Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, (1) $159,350, (2) $.95, (3) $.55; Duluth Superior Dredging Co., foot of 45th Ave., W., Duluth, Minn., (1) $162,440, (2) $1.25, (3) $.32. Noted Apr. 10.

Tex., Gilmer—Post Office—Treas. Dept., Wash., D. C., received bids Nov. 28, for labor for building, here, from W. D. Lovell, 1415 South East 8th St., Minneapolis, $27,617; A. Motschman, Chicago, $40,500.

★**Colo., Lyon**—Gravel Road—Spec. 4095—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building gravel road at Naval Hospital, here, to Holly & Burshears, La Junta, $10,894 (90 days).

Wash., Keyport—Radio Towers—Spec. 4077—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 3, building 400 ft. self supporting radio tower with concrete foundations on wood and for modifications of out riggers on existing towers at Naval Radio Sta., here, (1) work complete, from Foundation Co., 2501 Smith Bldg., Seattle, (1) $42,468 (180 days), (2) $.50; Gerrick & Gerrick, 303 Central Bldg., Seattle, (1) $44,569 (120 days), (2) $.50; Pittsburgh Des Moines Steel Co., 951 Munsey Bldg., Wash., D. C., (1) $68,800 (210 days) bidders spec., $48,400 (210 days), (2) add $1.50 deduct $.75.

Wash., Puget Sound—Officers Quarters, Storehouse and Railroad Extension—Spec. 3983—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids Nov. 26, building 1 officers' quarters, 2 storehouses, concrete footings, foundations, platform and floors, built up and sheet metal roofing, copper and ti sheet metal work, etc., also railroad extension, (1) work complete, from Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, (1) $51,350, (2) $1800, (3) $1200, (4) $1800 (60 days), (5) $32.60, (6) $2.10, (7) $400, (8) $51,350 (150 days); Dogan & Christman, c/o Pub. Wks. Office, San Diego, (1) $53,880 (200 days), (2) $1700; Foundation Co., c/o Pub. Wks. Office, San Diego, (1) $56,000 (180 days), (2) $2130, (3) $4600, (4) $2130, (5) $1600, (6) $2, (7) $242. Noted Nov. 6 E. B.

★**Cal., Mare Island**—Torpedo Storage and Compressor Building—Spec. 3991—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Naval Ammunition Depot, Item 5, of addendem omitting piles and fill, to Lange & Bergstrom, Sharon Bldg., San Francisco, $46,587 (210 days).

Cal., San Diego—Fuel Oil Tank, Water Pipe and Sewer Pipe—Pub. Wks. Officer of 12th Naval Dist., San Diego, received only bid for 70,000 gal. rein.-con. fuel oil tank, 8740 ft. 8 in., 140 ft. 6 in. and 2300 ft. 2 in. water pipe and 7800 ft. sewer pipe, from T. Haverty Co., 8th St. and Maple Ave., Los Angeles, $244,850.

Cal., San Diego—Power House—Spec. 4070—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids Nov. 26, extending existing power house at Naval Radio Sta., Chollas Heights, (1) work complete, from W. Slater, c/o Pub. Wks. Office, (1) $7500 (90 days), (2) $20; L. A. Geisler, c/o Pub. Wks. Office, (1) $8548, (2) $25. Noted Nov. 6, E. B.

★**Cal., San Diego**—Water Supply and Sewer System and Fuel Oil Reservoir—Spec. 4007—Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract building, at Marine Corps Barracks, here, to H. D. Hallett, 132 Downer Pl., Aurora, Ill. (items 2a and 9a, $185,600 (110 days).

★**Cal., San Francisco**—Kitchen, Mess Hall, Quarters, Garage, etc.—Treas. Dept., Wash., D. C., let contract for labor for buildings at U. S. Marine Hospital, here, to Schultz Constr. Co., 46 Kearney St., $29,629; cement, to Old Mission Portland Cement Co., 435 Mills Bldg., $2799; lumber, to Olson-Mahoney Lumber Co., 5th and Hopper Sts., $6243; millwork, to Natl. Mill & Lumber Co., 318 Market St., $6087. Noted Oct. 16, E. B.

Miscellaneous

PROPOSED WORK

Road Machinery—Balsam Lake, Wis.—Polk Co. appropriated $10,000 for road machinery, to include 1 rock crusher, gravel screening machinery, 2 heavy trucks, one 12 ft. grader and several No. 3 wheelers. C. W. Nystrom, comr.

Road Machinery — Ellsworth, Wis. — Pierce Co. appropriated $4000 for machinery. W. H. Richards, Spring Valley, comr.

Graders—Hurley, Wis.—Iron Co. appropriated $5000 for 3 new patrol graders, planes and drags.

Road Machinery—Sturgeon Bay, Wis.—Door Co. appropriated $3000 for road machinery. J. M. Laurie, comr.

Pipe Line — Abilene, Tex. — City voted $450,000 bonds to build pipe line connection from here to Lake Abilene.

Dam—Eastland, Tex.—H. P. Brelsford and associates plan to build dam across Leon River capable of impounding 213,000 cu.yd. of water, to include reservoir, 35 ft. high, and result in lake ½ mi. long, 13 ft. deep and 1500 ft. wide. About $125,000. Texas & Pacific Ry., Eastland, engrs.

Power System — Astoria, Ore. — Port Comn. rejected bids installing underground electric power system through port property, and plans to construct 24 x 26 ft. concrete transformer house, 15 ft. high, instead. G. Walter, electrical investigator.

BIDS DESIRED

Pipe and Castings—Newark, N. J.—Until Dec. 16, by T. L. Raymond, dir. Dept. Streets & Pub. Impvts., for 335 tons (2000 lb.) 6 and 12 in. c.i. water pipe, 50 tons (2000 lb.) ordinary special castings 4-12 in. diameter, 1692 tons (2000 lb.) 20 and 24 in. c.i. water pipe, 25 tons (2000 lb.) ordinary special castings 20-24 in. diameter, 170 tons (2000 lb.) 12 in. high pressure c.i. water pipe and 17½ tons (2000 lb.) special castings for high pressure system; advertised in this issue.

Pipe, Valves, etc.—St. Louis, Mo.—Until Jan. 22, by J. B. Thomas, supply comr., furnishing c.i. pipe of various sizes, valves and fittings, for waterworks. About $150,000.

Gas Distributing System—Avalon, Cal.—Until Dec. 19, by F. M. Tidball, city clk., furnishing pipe valves, and other material, also labor for constructing gas distributing system. About $50,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Tank—Laconia, N. H.**—Scot & Williams, Inc., 266 Union Ave., let contract building rein.-con. oil tank, to Aberthaw Constr. Co., 27 School St., Boston, Mass. About $20,000.

★**Foundation—Hartford, Conn.**—Royal Typewriter Co., Inc., 150 New Park Ave., let contract for concrete foundation for 5 story, 50 x 310 ft. brick and concrete addition to factory, with 50 x 70 ft. el. to D. O'Brien & Sons Co., 118 Asylum St. Noted Aug. 14 under "Industrial Works."

Heating and Ventilating, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro, received lowest 3 bids Dec. 1, installing heating and ventilating apparatus in P. S. No. 6, Tremont Ave., from D. J. Rice, 405 Lexington Ave., $61,393, E. Rutzler Heating Co., 404 East 49th St., $64,423, Gillis & Goeghagen, 537 West Bway., $67,269; temperature apparatus, from Fisher & Babcock, $3300, Natl. Regulator Co., 166 Lexington Ave., $3928, Johnson Serv. Co., 123 East 27th St., $4163.

★**Boardwalk—Seaside Park, N. J.**—City let contract building 8400 ft. boardwalk, to C. W. Mathis & Co., $44,691.

★**Freezing Tank—Phila., Pa.**—Kensington Hygeia Ice Co., Trenton Ave. and Huntingdon St., let contract building two 30 x 30 ft., one 31 x 100 ft. and one 20 x 80 ft. freezing tanks, cement, brick and concrete, stone foundation, to P. Haibach Contg. Co., 1261 North 26th St. About $25,000.

★**Tunnel—Pittsburgh, Pa.**—Comrs. Allegheny Co. let contract building Liberty Tunnel, through South Hills, to Booth & Flinn, Ltd., 1942 Forbes St., $4,593,258.

Swimming Pool—Baltimore, Md.—See "Buildings."

★**Cooling Tank—Ashtabula, O.**—City will build cooling tank, at Municipal Lighting Plant. About $15,000. Work will be done by day labor.

Screens—Detroit, Mich.—Water Bd. received bids furnishing 7 sets revolving screens for low lift pumping station at Waterworks plant, from Chain Belt Co., 11th Ave. Viaduct, Milwaukee, $26,850, Link Belt Co., 732 Dime Bank Bldg., $26,400.

★**Foundation—Milwaukee, Wis.**—Chicago, North Shore & Milwaukee Ry., Highwood, Ill., let contract building concrete foundation, for 1 story, 52 x 106 ft. terminal station, on 6th and Sycamore Sts., here, to Madson, Christensen & Ingbretson, 379 1st Ave. Total cost, $50,000.

★**Revetment—Milwaukee, Wis.**—P. Braman, comr. Pub. Wks. let contract building 1375 ft. pile and timber revetment, at west end of Jones Island, here, to Great Lakes Dredge & Dock Co., 216 West Water St., $99,483.

★**Piers and Dock—St. Louis, Mo.**—Sugar Products Co., 16 Exch. Pl., New York City, let contract sinking piers and building concrete and steel dock, here, to P. A. Rohan, North 1st St. About $50,000.

•**Lighting System—Logan, Utah**—City let contract installing ornamental street lighting system, involving 66 light standards, 54 plain light standard and furnishing and laying 13,000 ft. parkway cable, to Inter-Mountain Electric Co., 43 East 4th St. S., Salt Lake City. About $34,000. Noted Aug. 14.

★**Bulkhead—Aberdeen, Wash.**—City let contract building concrete bulkhead, 400 ft. long, on East End Rd., to Grays Harbor Bldg. Co., Aberdeen, $20,291.

★**Tanks—Seattle, Wash.**—Port of Seattle Comn., Bell St. Dock, let contract building 4 steel oil tanks, 50,000 gal. capacity each, to Seattle Boiler Wks., 1132 West 45th St. About $10,000.

•**Heating System—Spokane, Wash.**—St. Luke's Hospital Assn., Dean and A Sts., let contract installing steam heating system, including 110 ft. concrete stack, to F. Phair, 416 2nd St. About $30,000.

★**Screened Gravel—Coquille, Ore.**—State Highway Comn., Salem, let contract furnishing 25,000 yd. screened gravel, to be used for paving Marshfield-Coquille Rd., Coos Co., to A. C. Mathews, Marshfield. About $25,000.